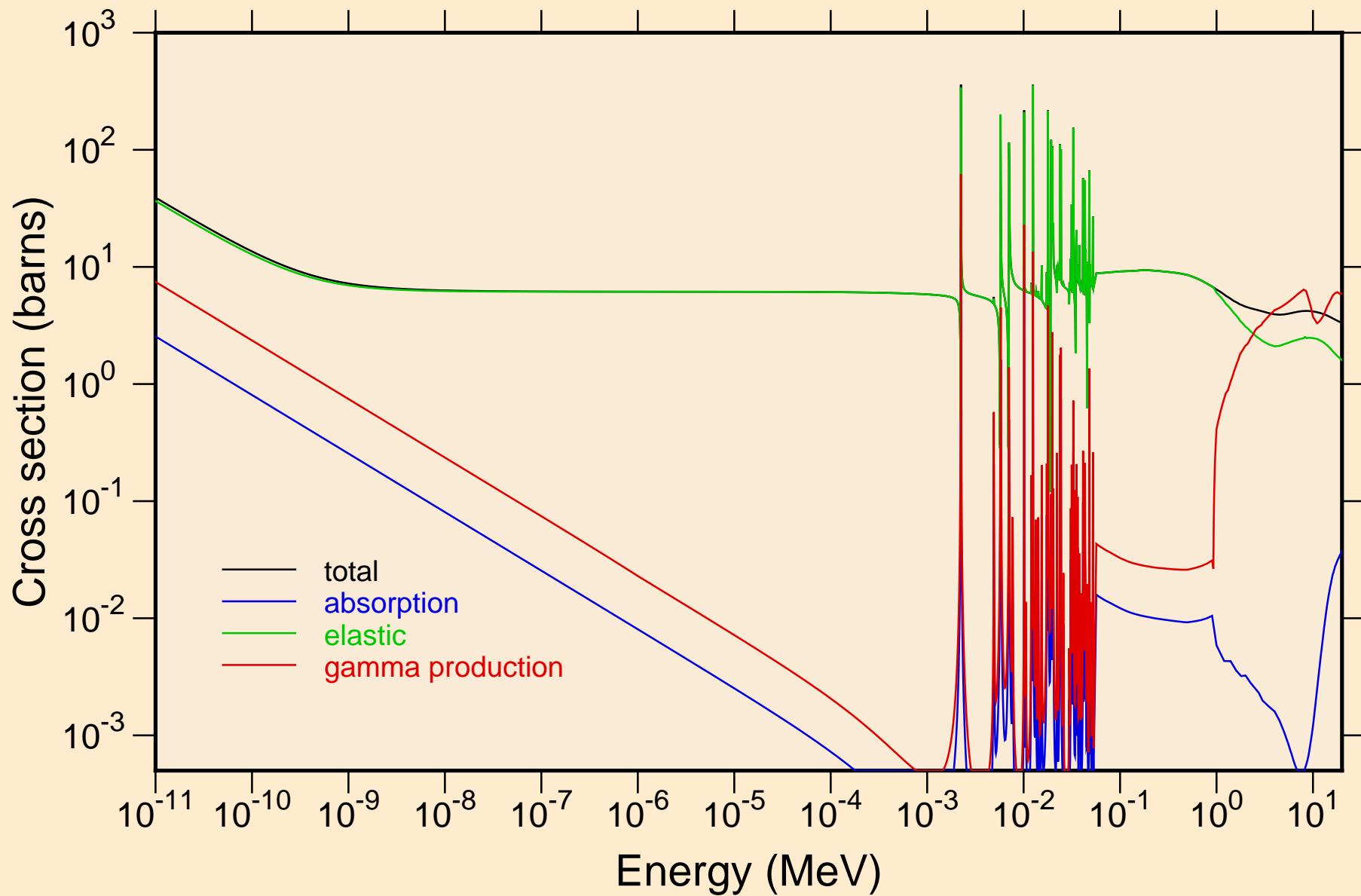
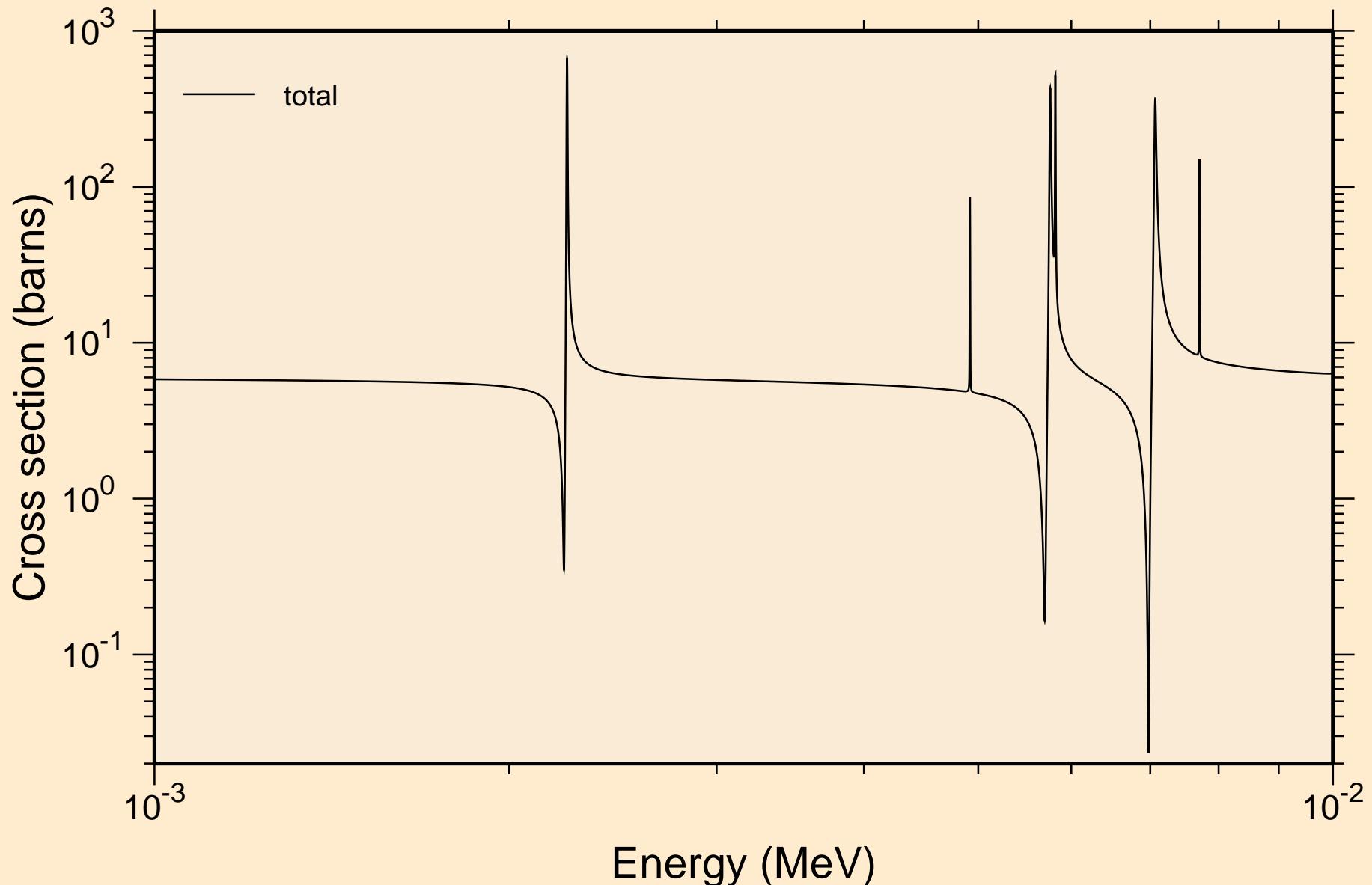


# JENDL-4 ZR-94

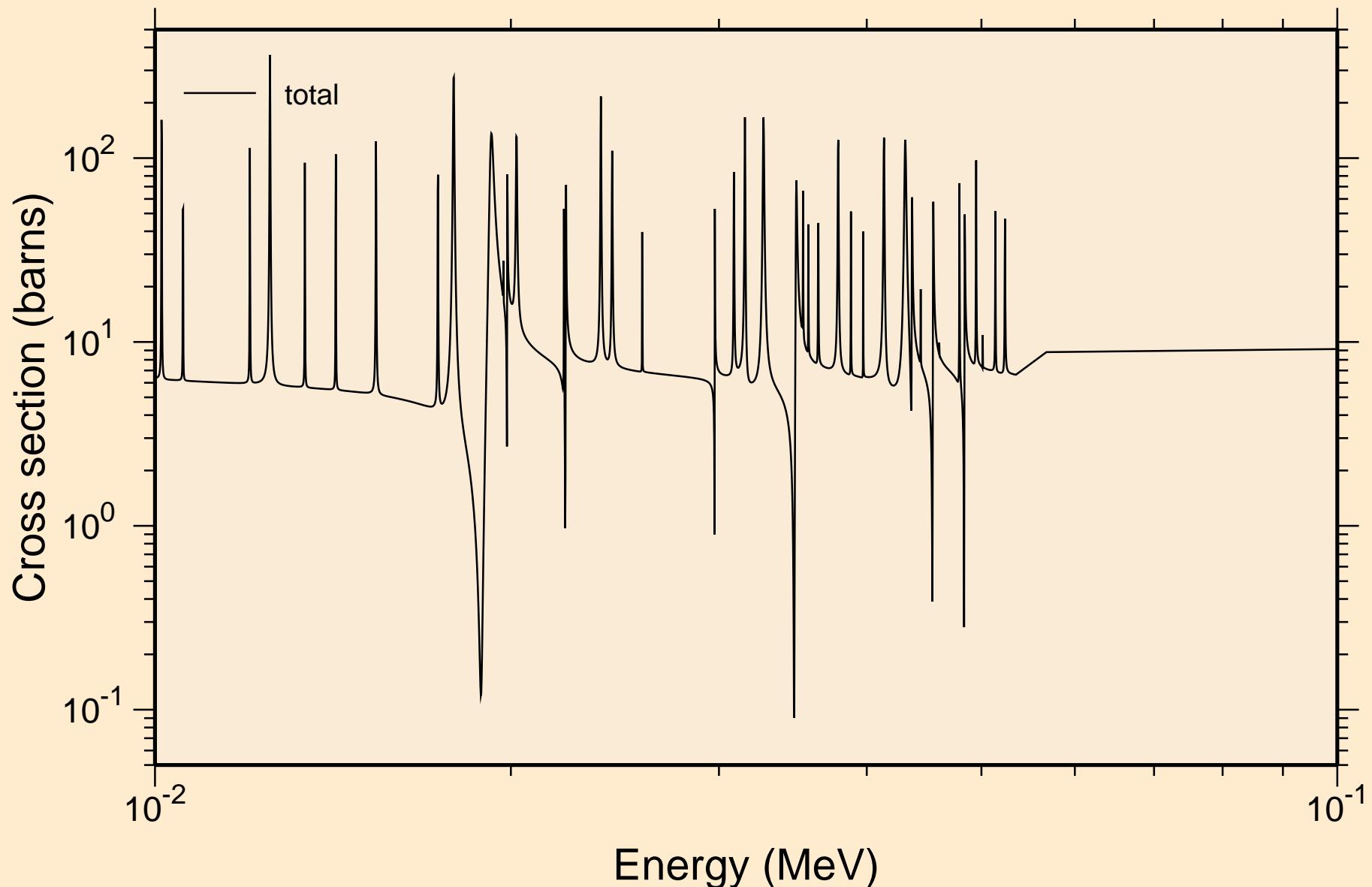
## Principal cross sections



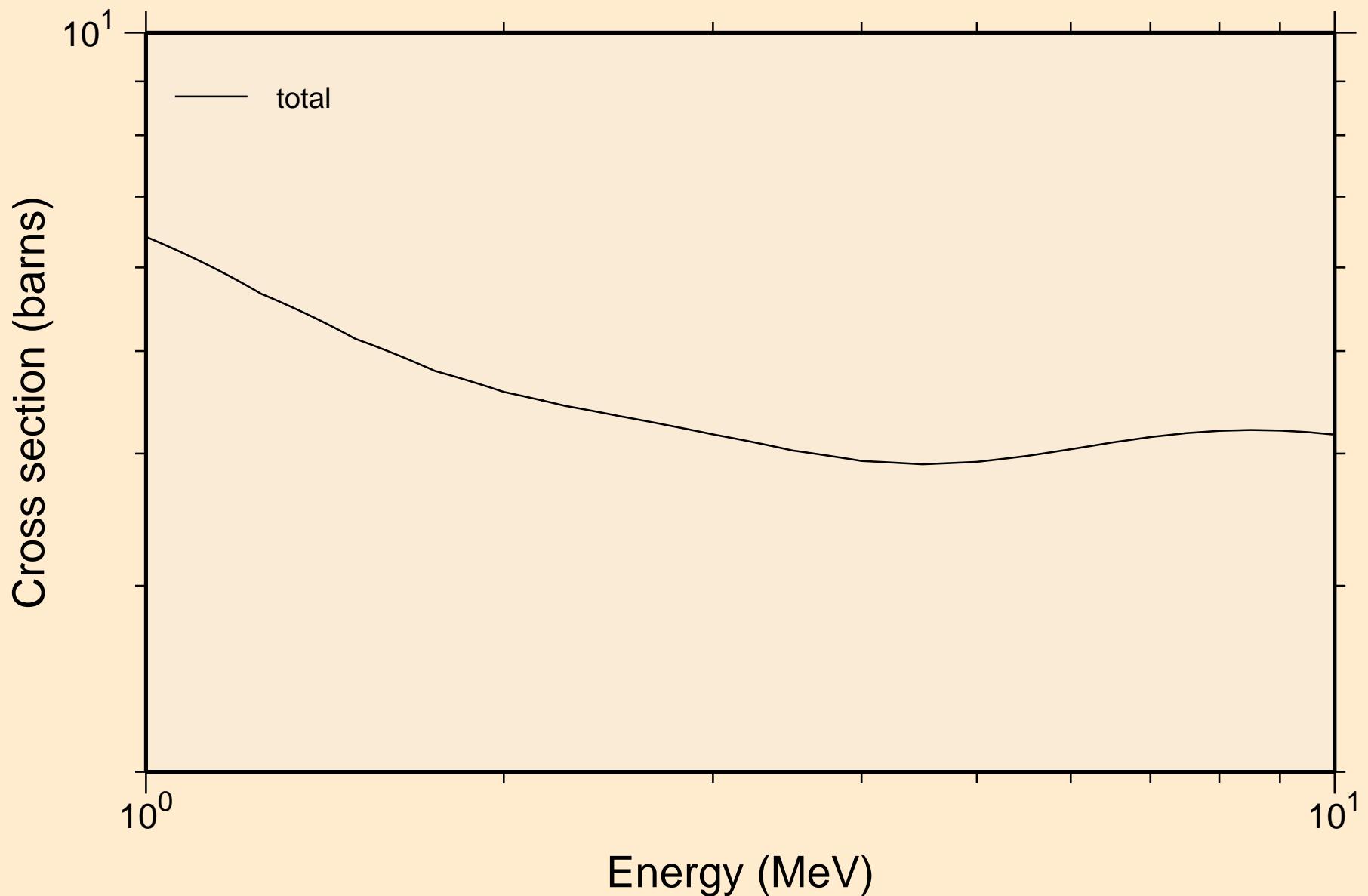
JENDL-4 ZR-94  
resonance total cross section



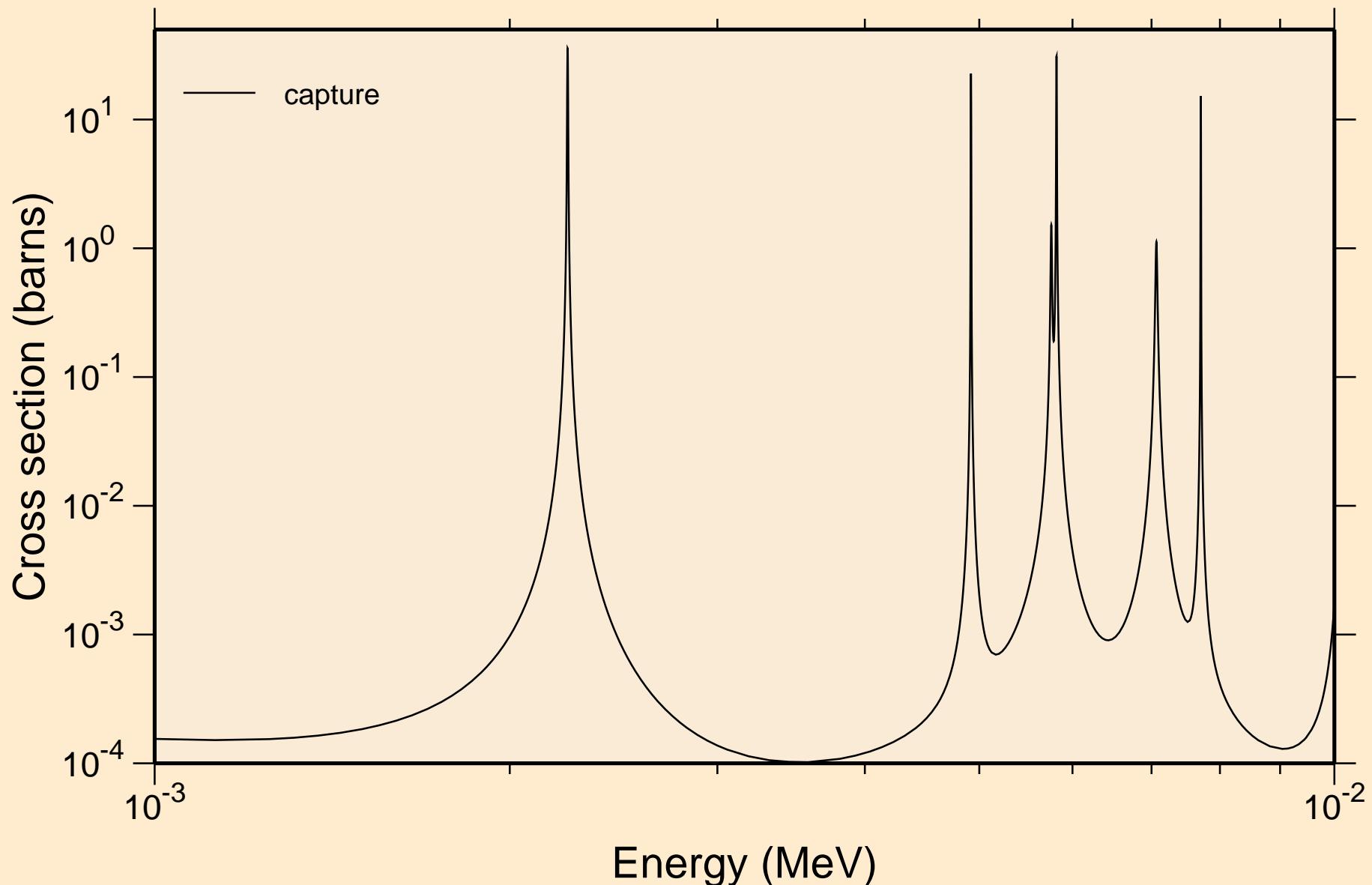
JENDL-4 ZR-94  
resonance total cross section



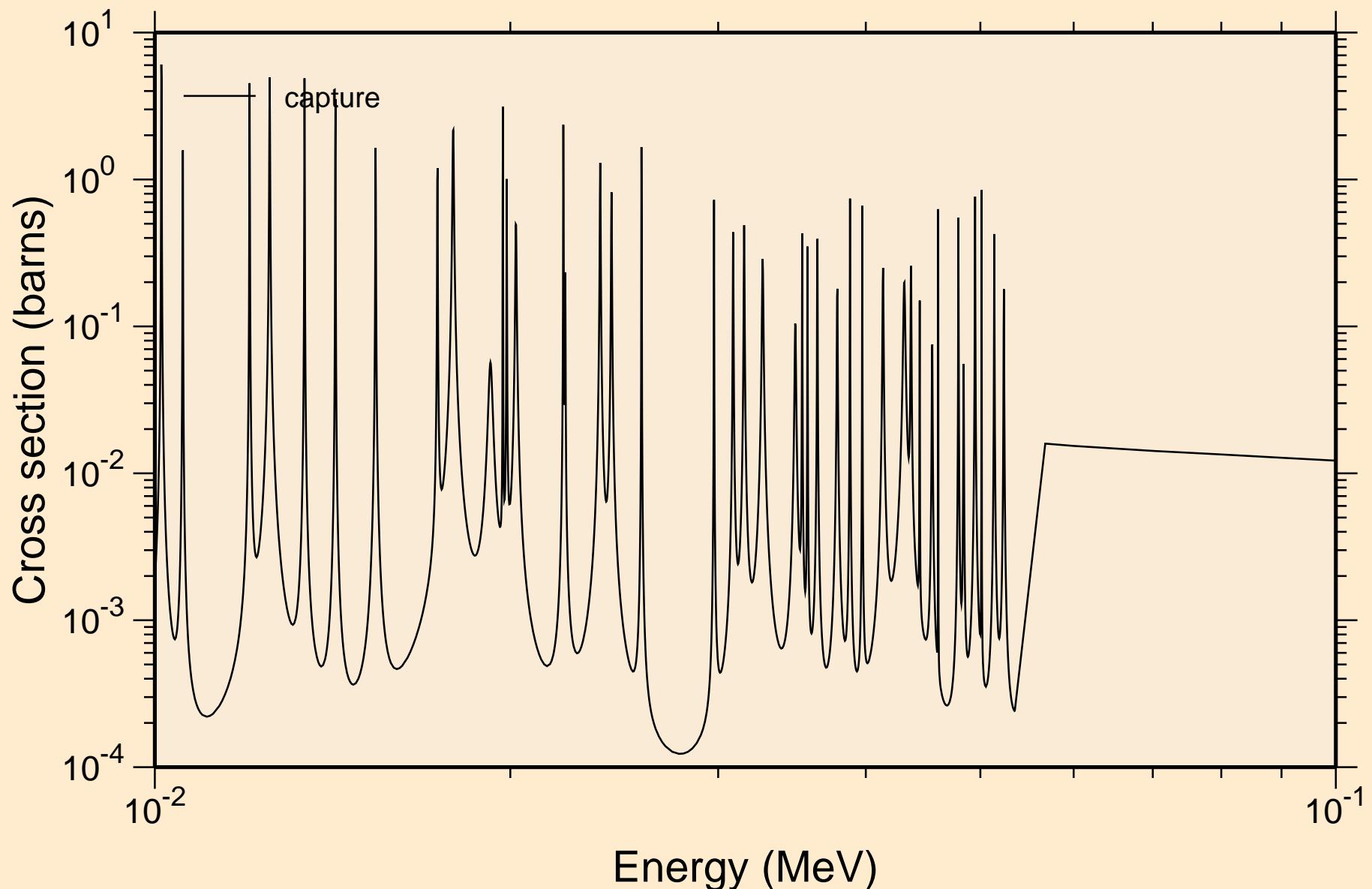
JENDL-4 ZR-94  
resonance total cross section



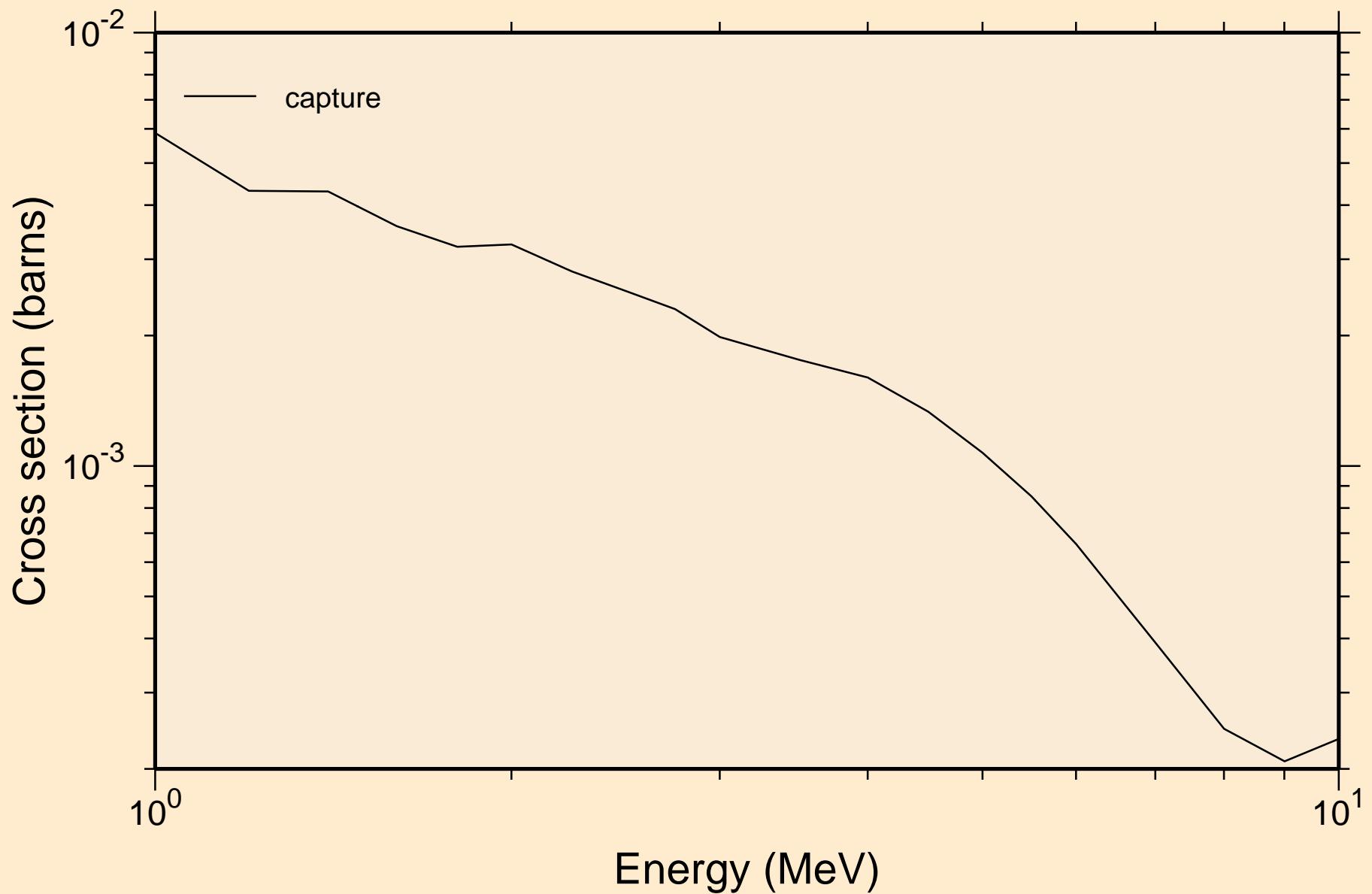
JENDL-4 ZR-94  
resonance absorption cross sections



# JENDL-4 ZR-94 resonance absorption cross sections

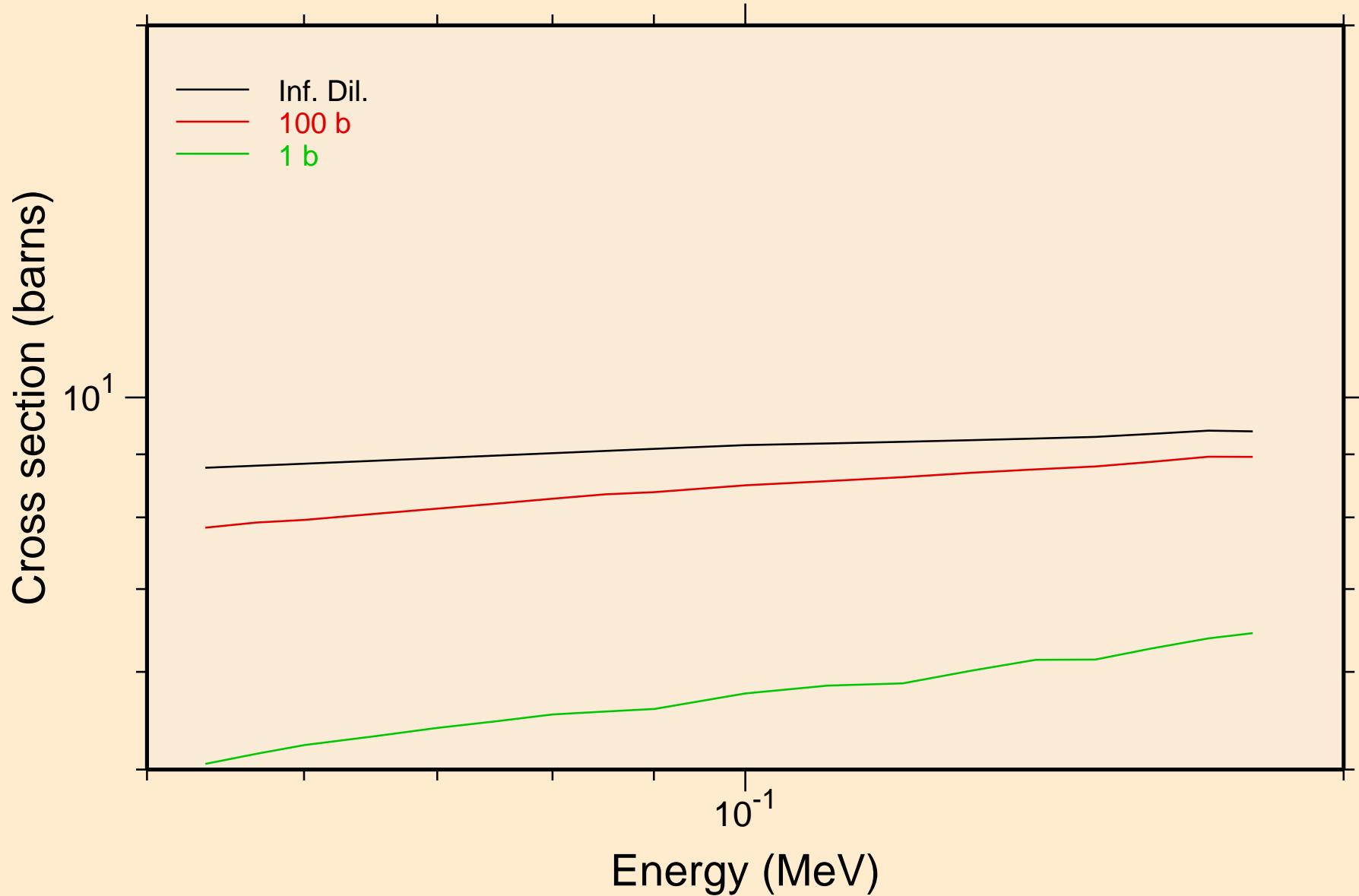


JENDL-4 ZR-94  
resonance absorption cross sections



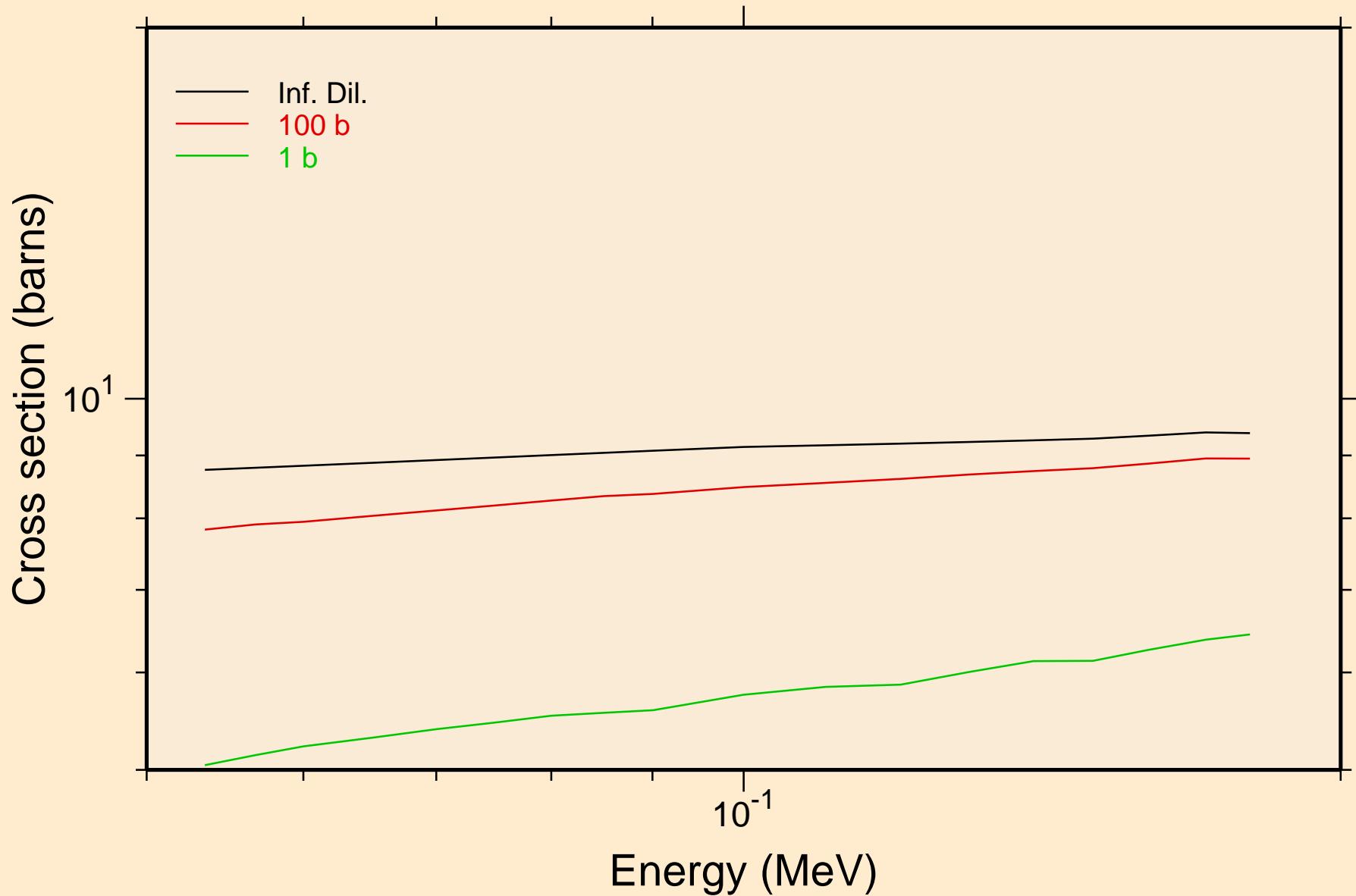
# JENDL-4 ZR-94

## UR total cross section



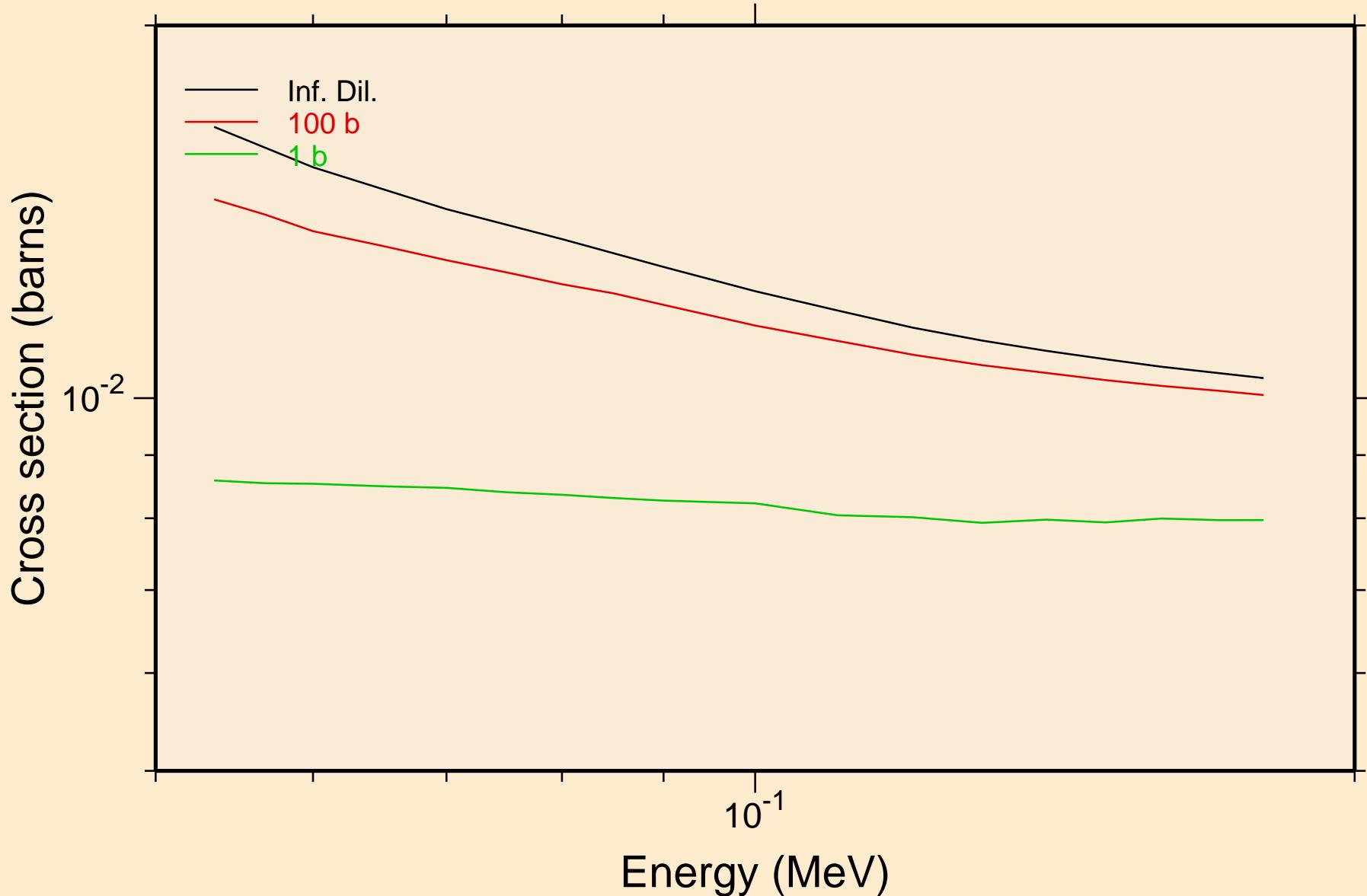
# JENDL-4 ZR-94

## UR elastic cross section

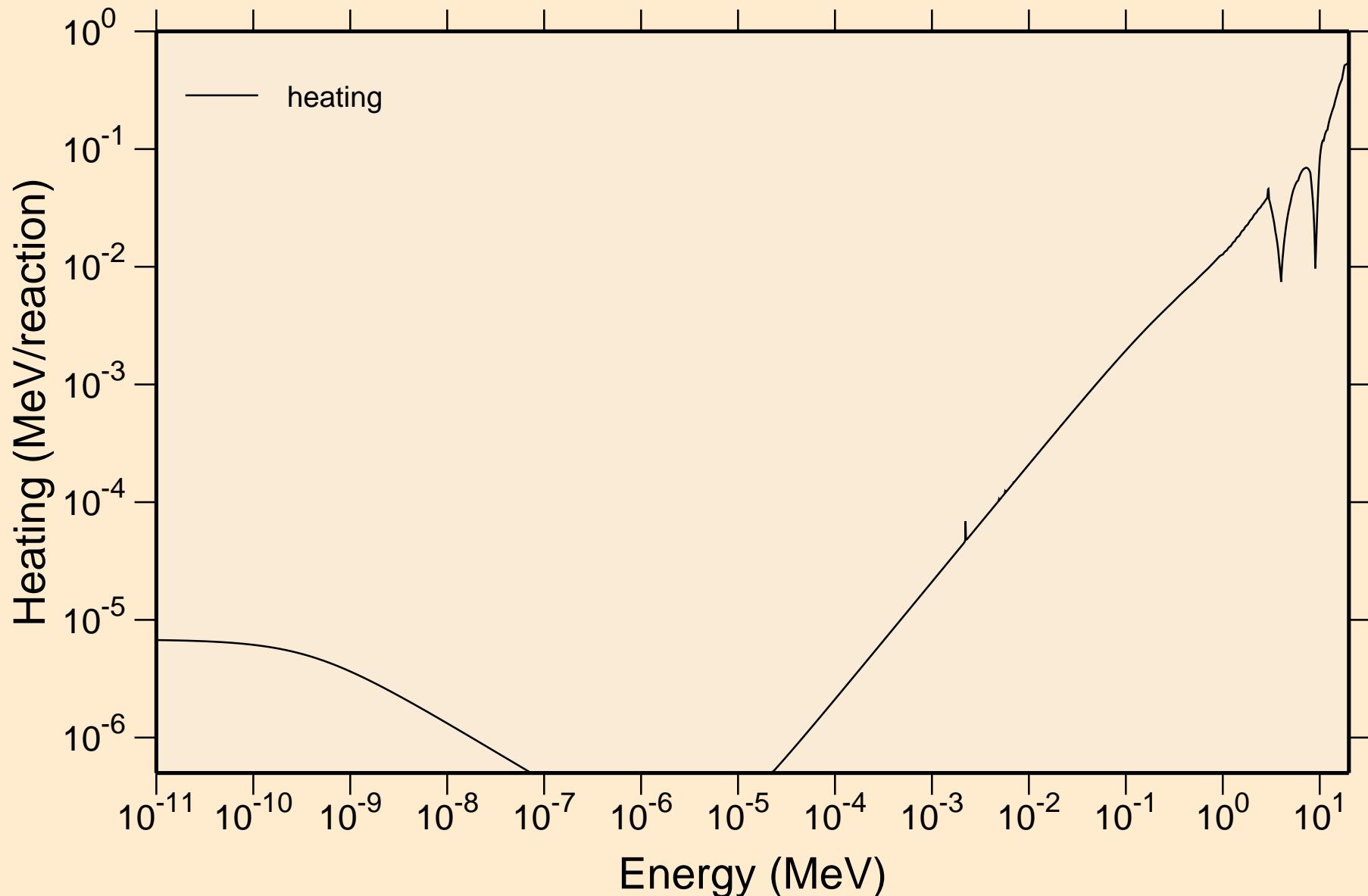


# JENDL-4 ZR-94

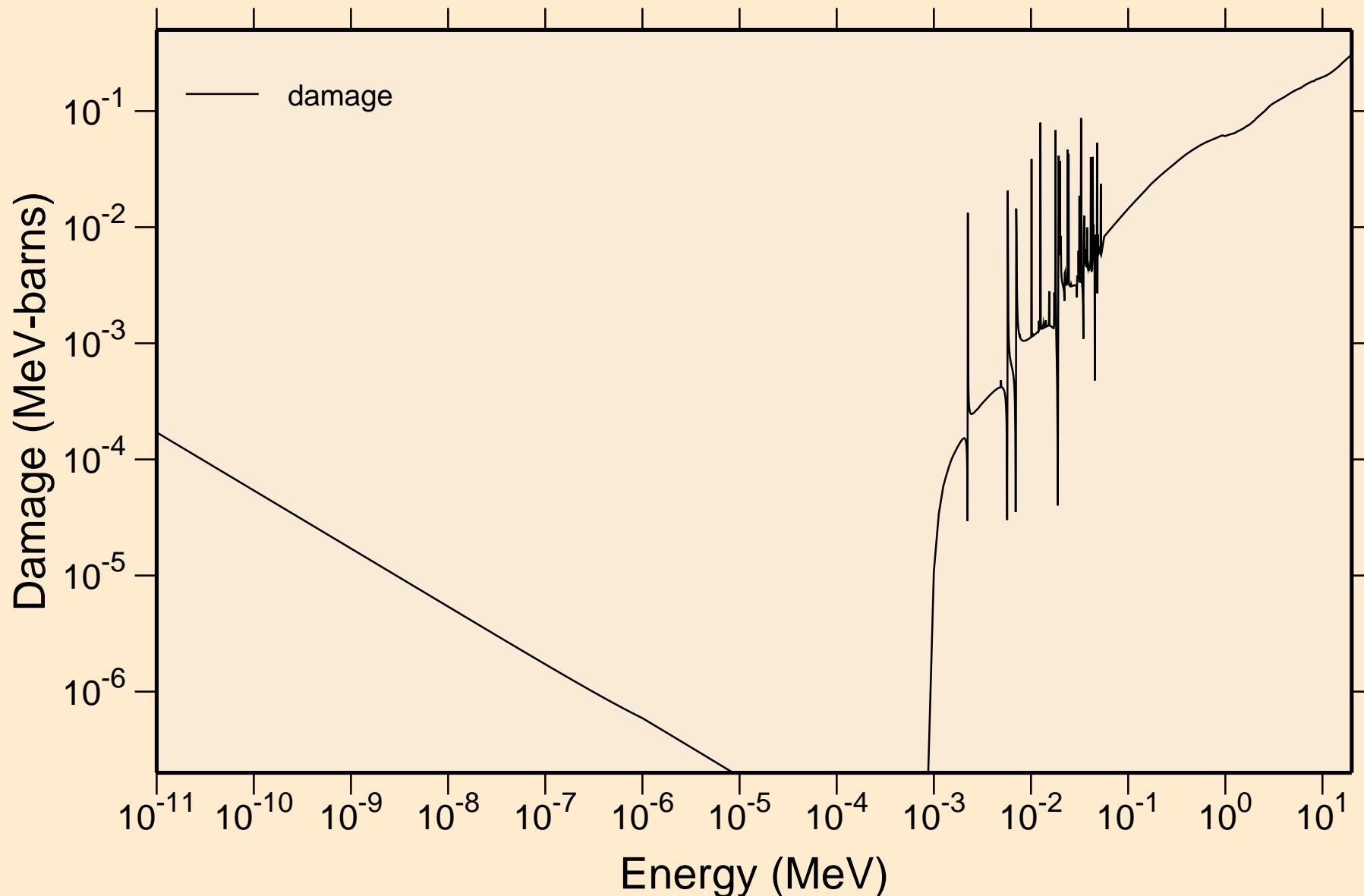
## UR capture cross section



JENDL-4 ZR-94  
Heating

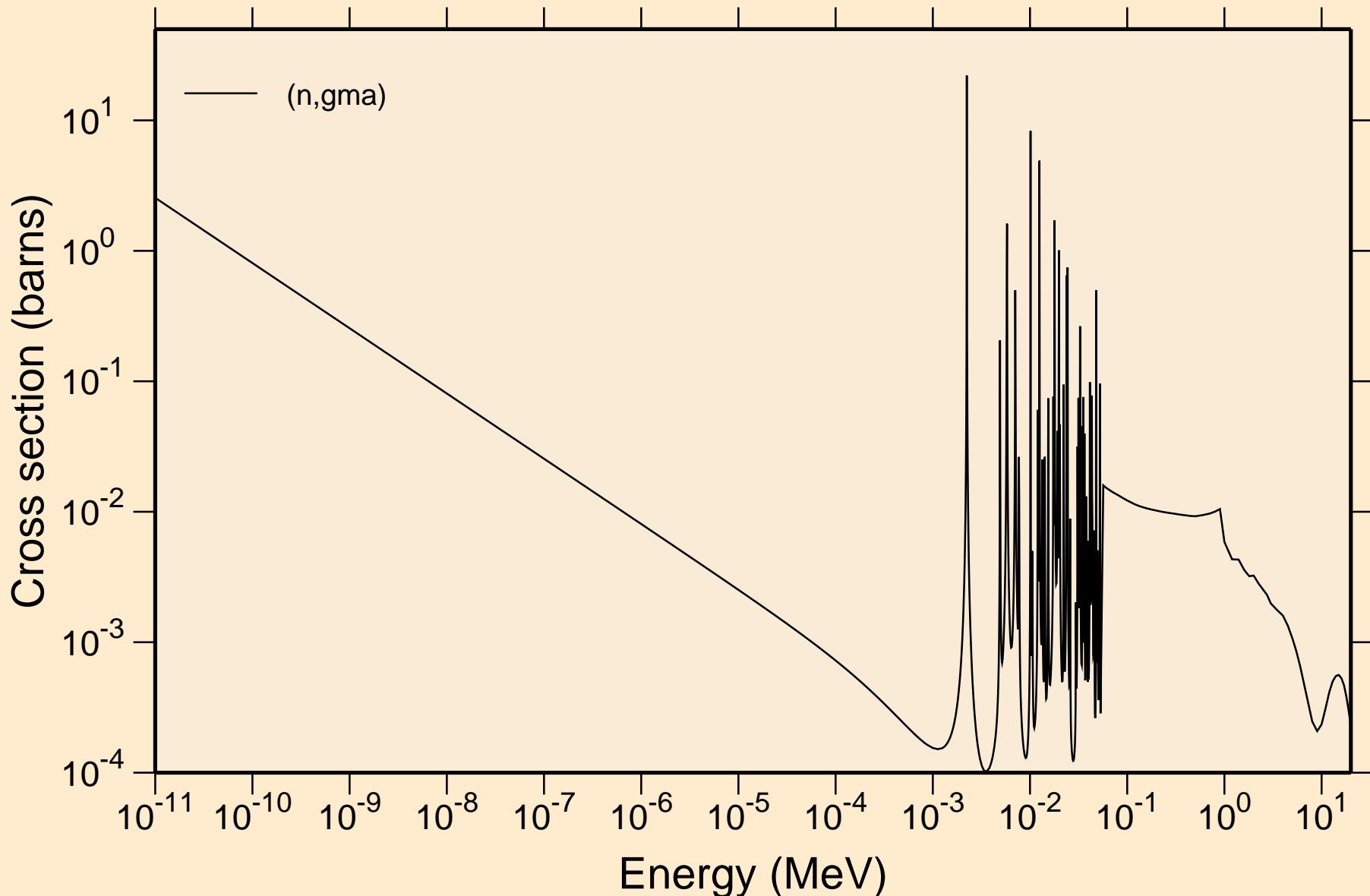


JENDL-4 ZR-94  
Damage



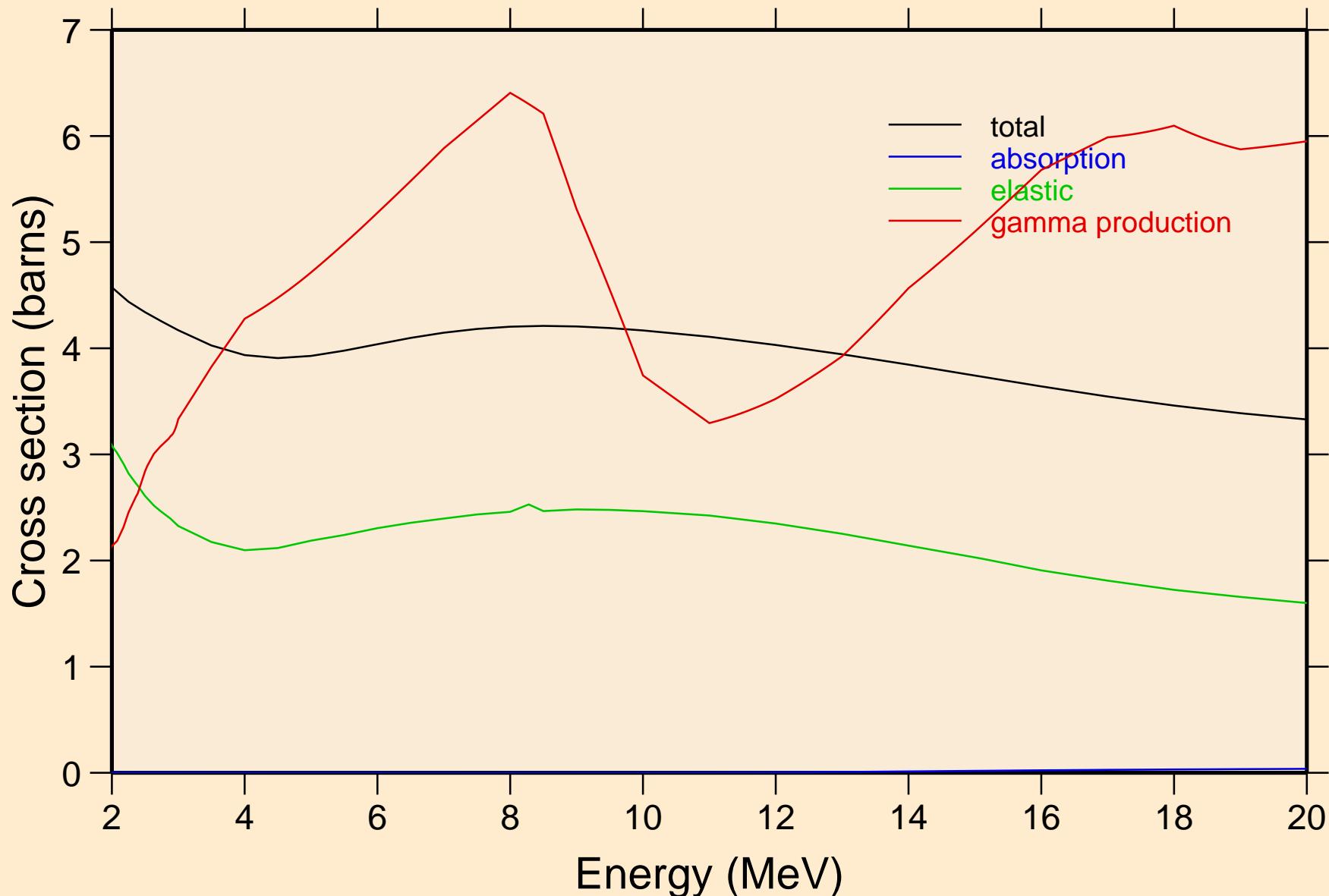
# JENDL-4 ZR-94

## Non-threshold reactions

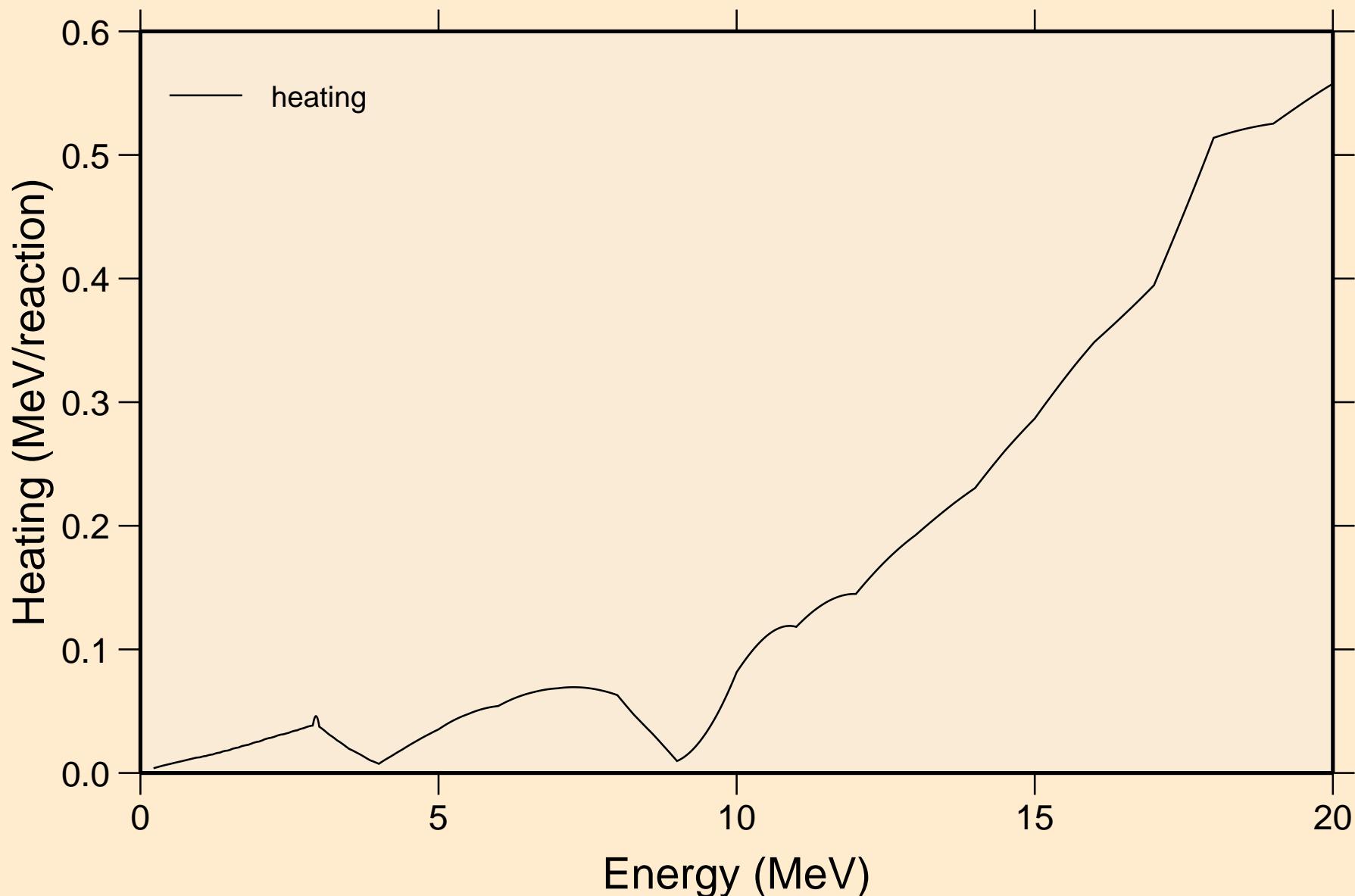


# JENDL-4 ZR-94

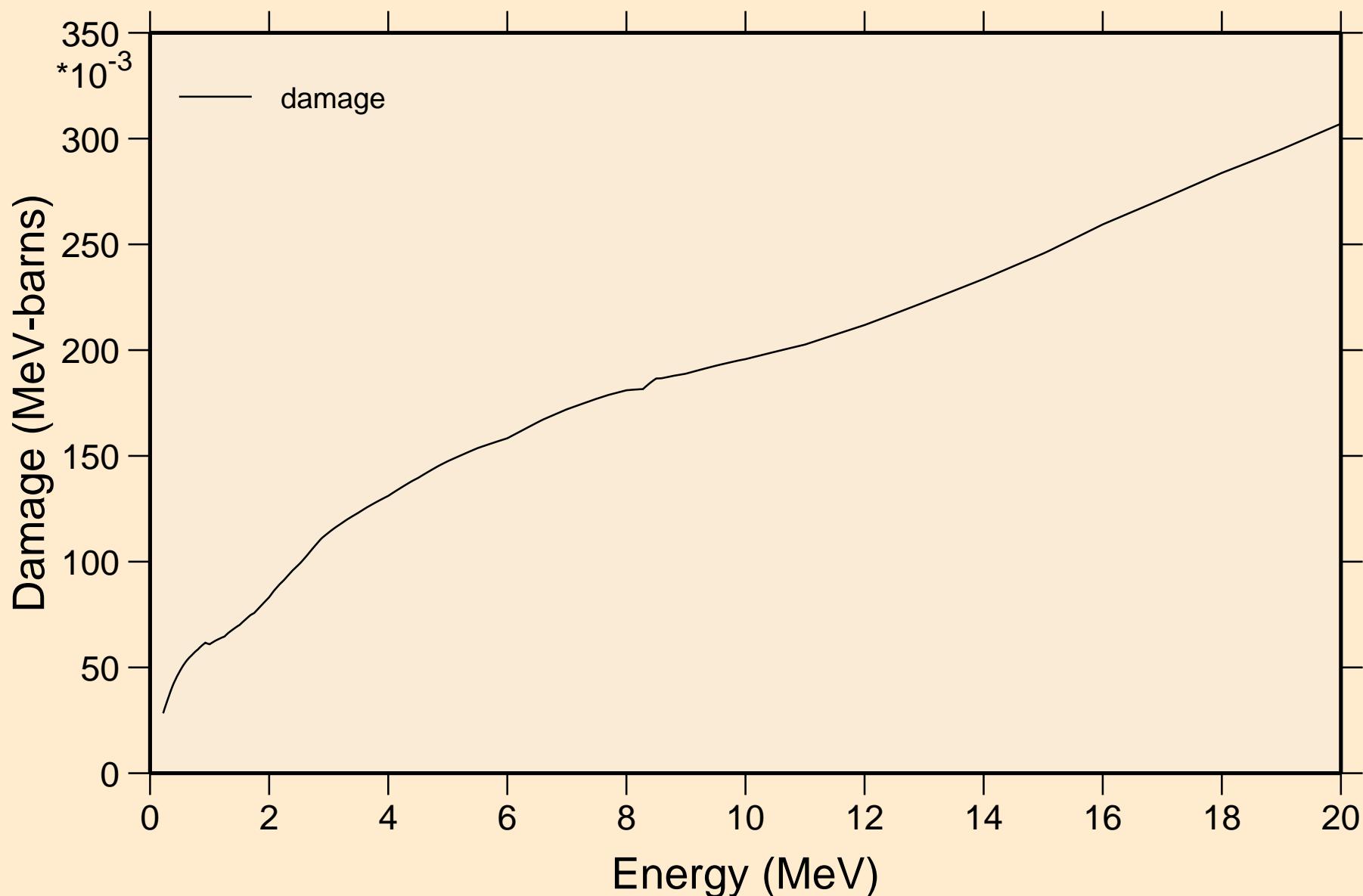
## Principal cross sections



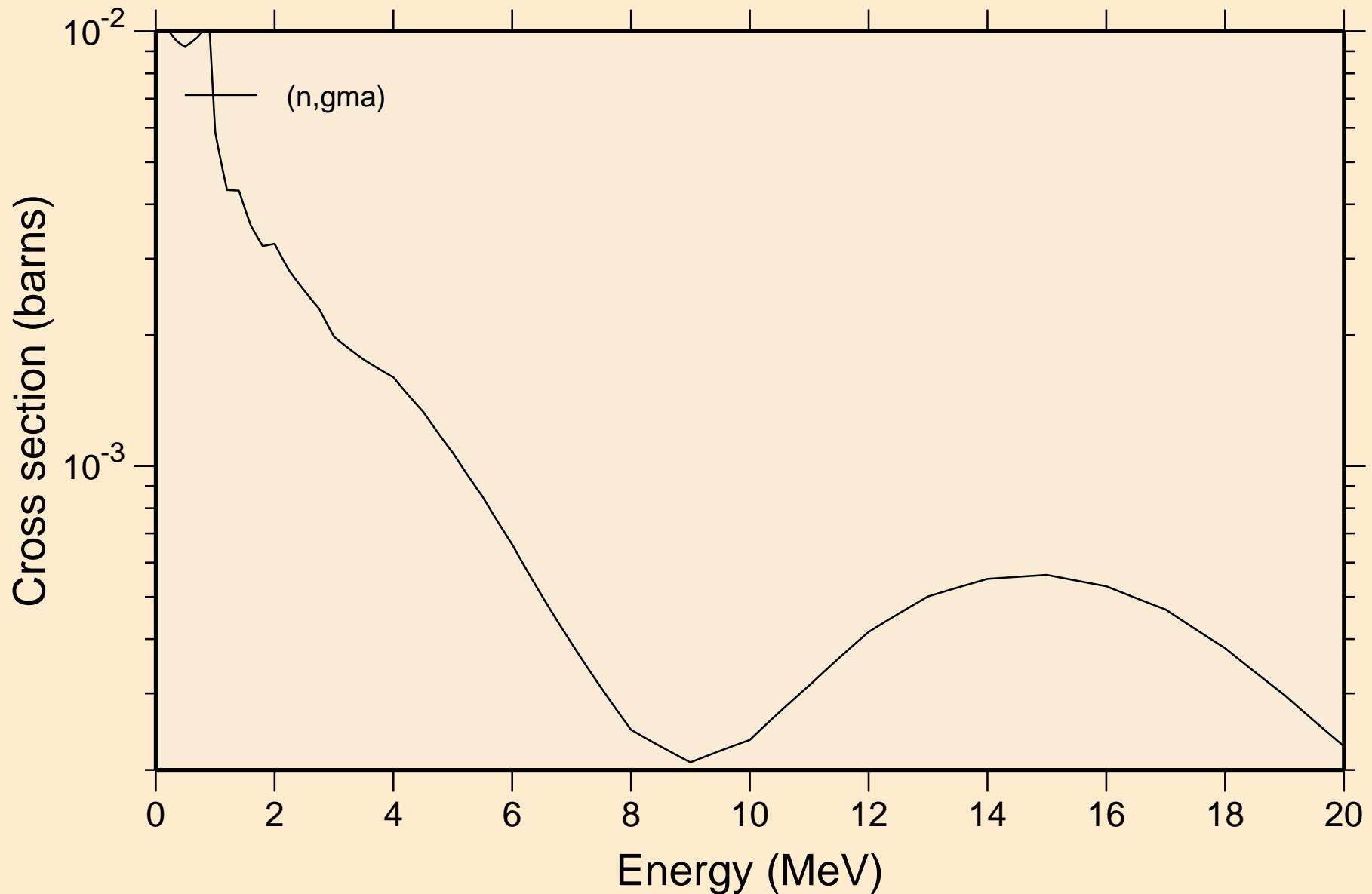
JENDL-4 ZR-94  
Heating



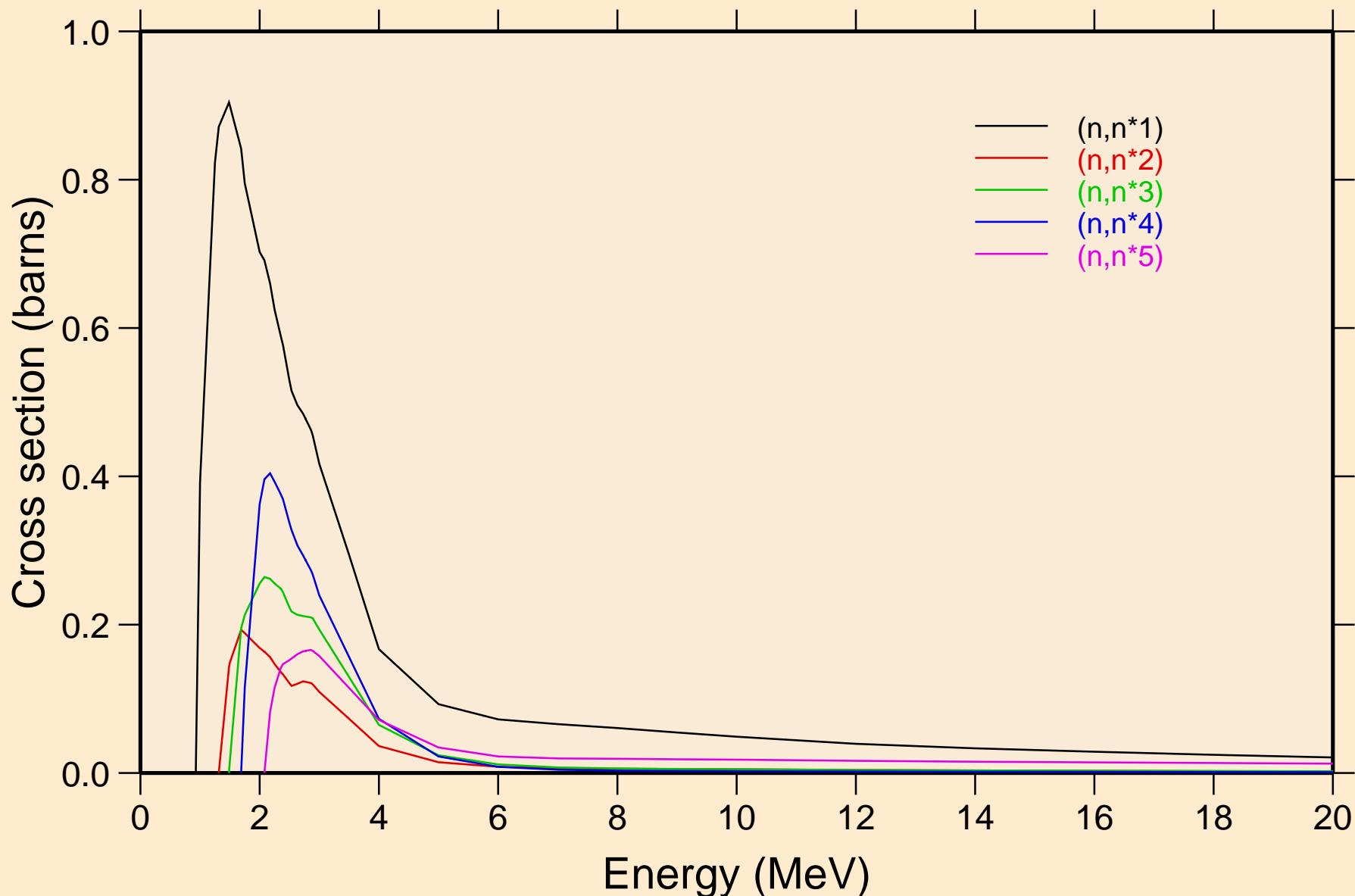
JENDL-4 ZR-94  
Damage



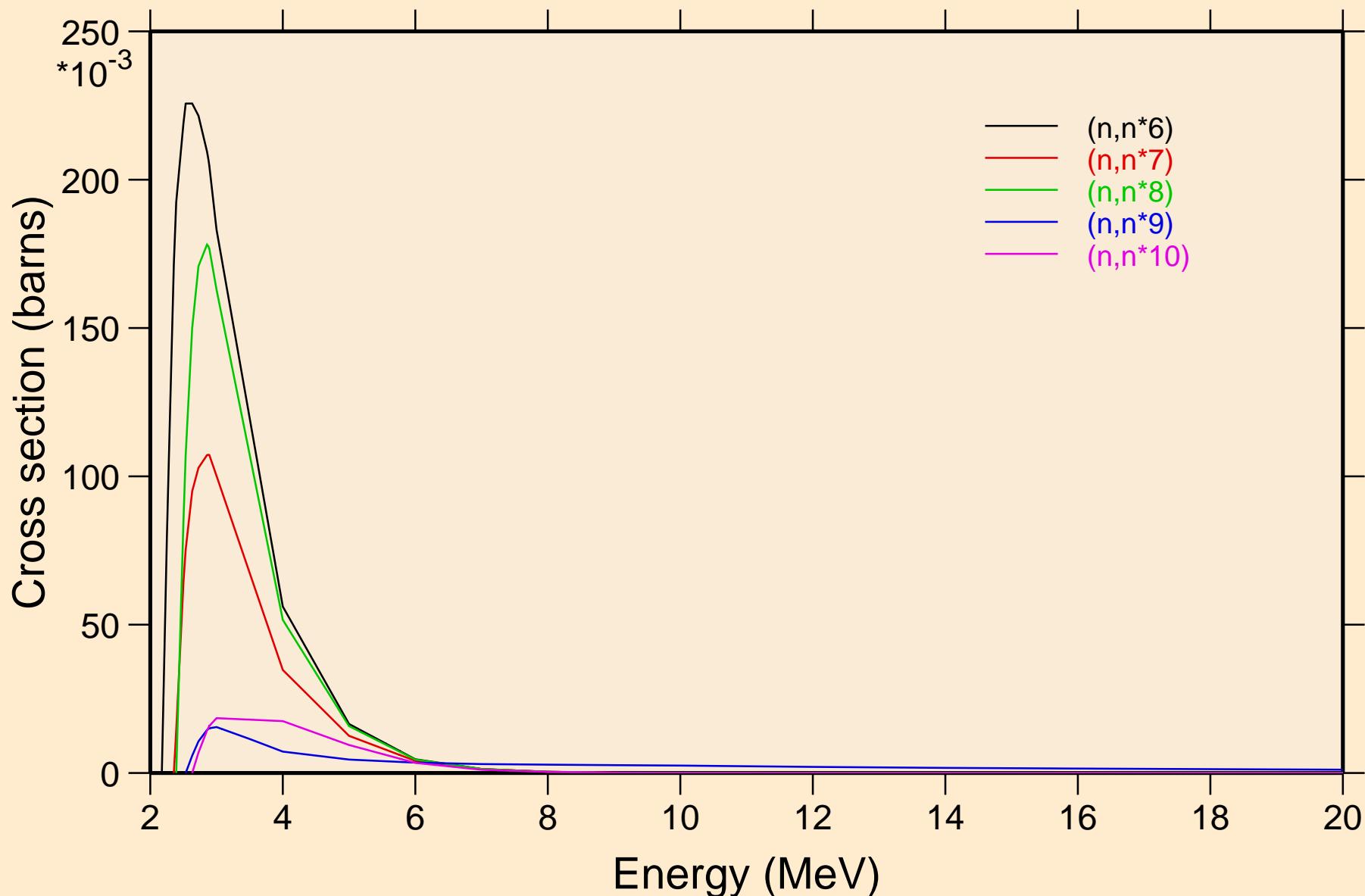
JENDL-4 ZR-94  
Non-threshold reactions



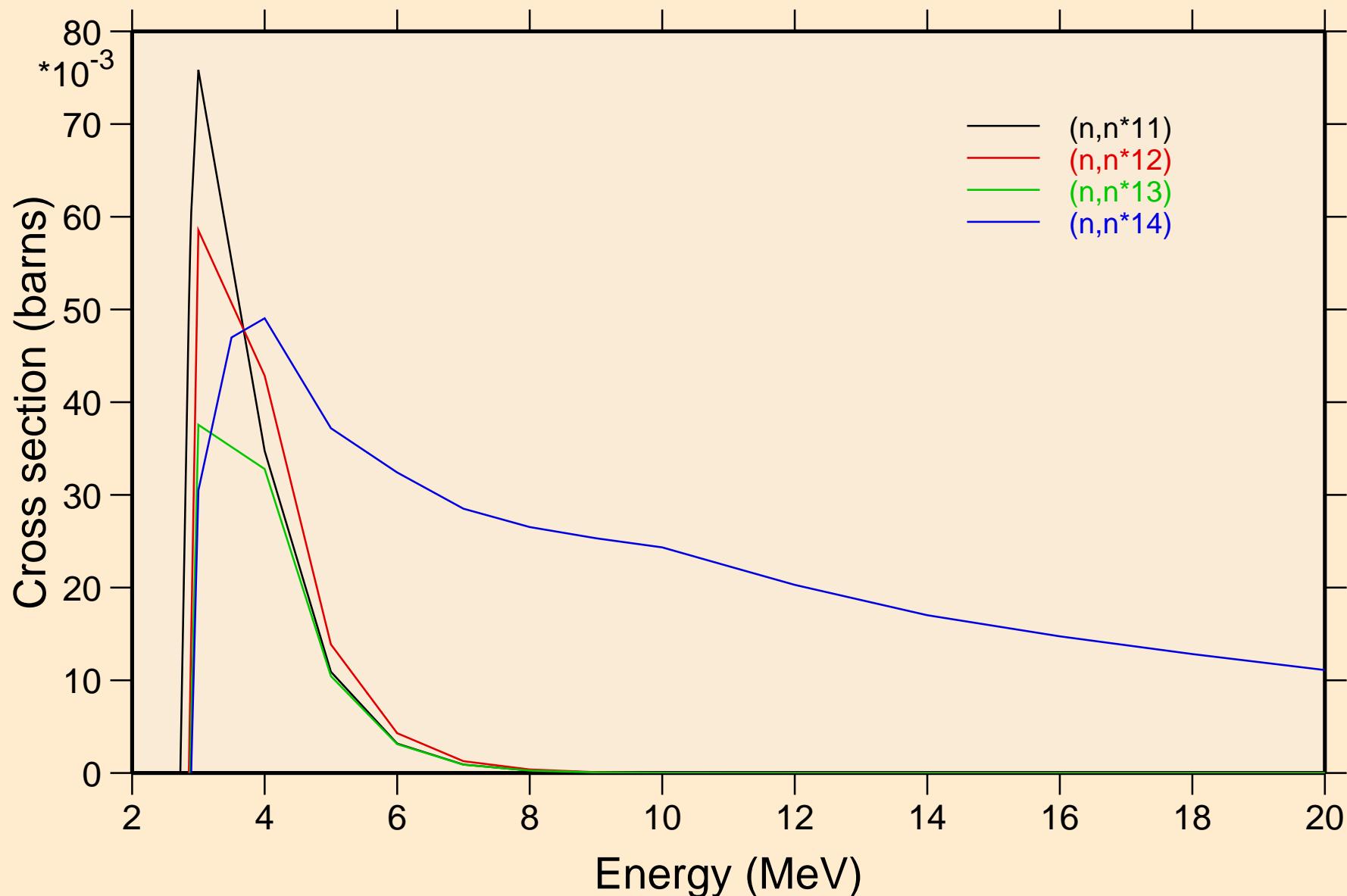
JENDL-4 ZR-94  
Inelastic levels



JENDL-4 ZR-94  
Inelastic levels

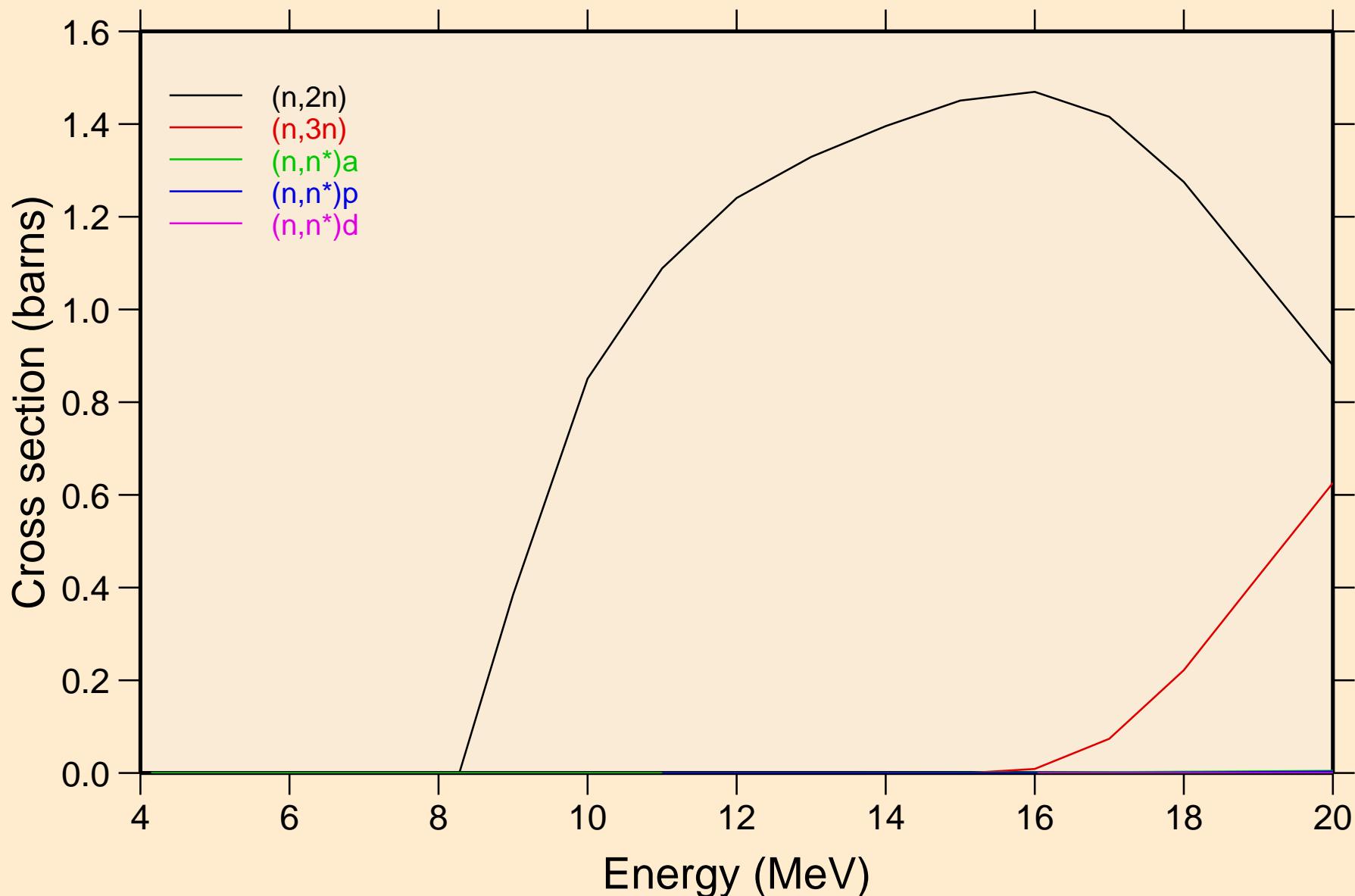


JENDL-4 ZR-94  
Inelastic levels



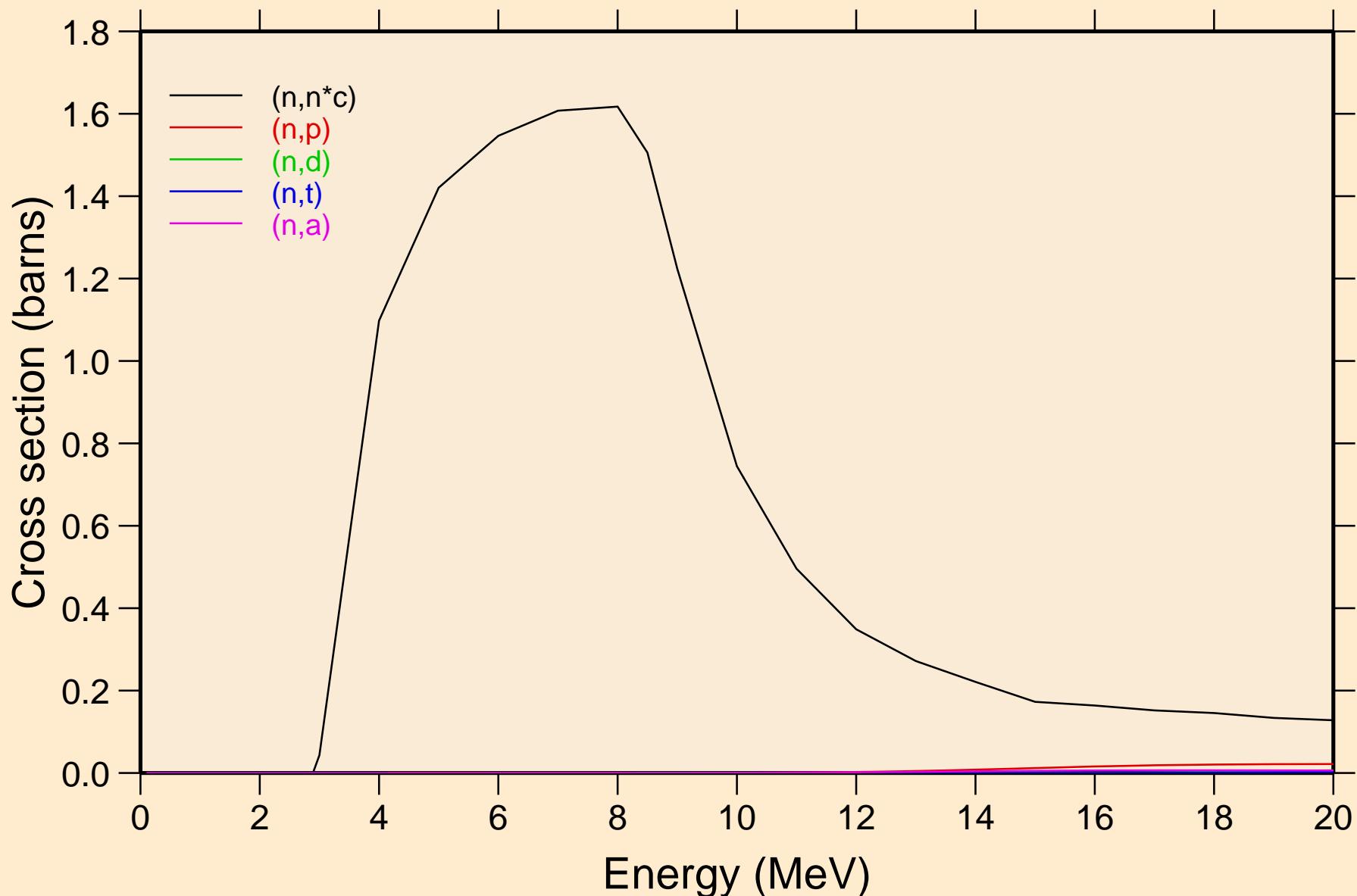
# JENDL-4 ZR-94

## Threshold reactions



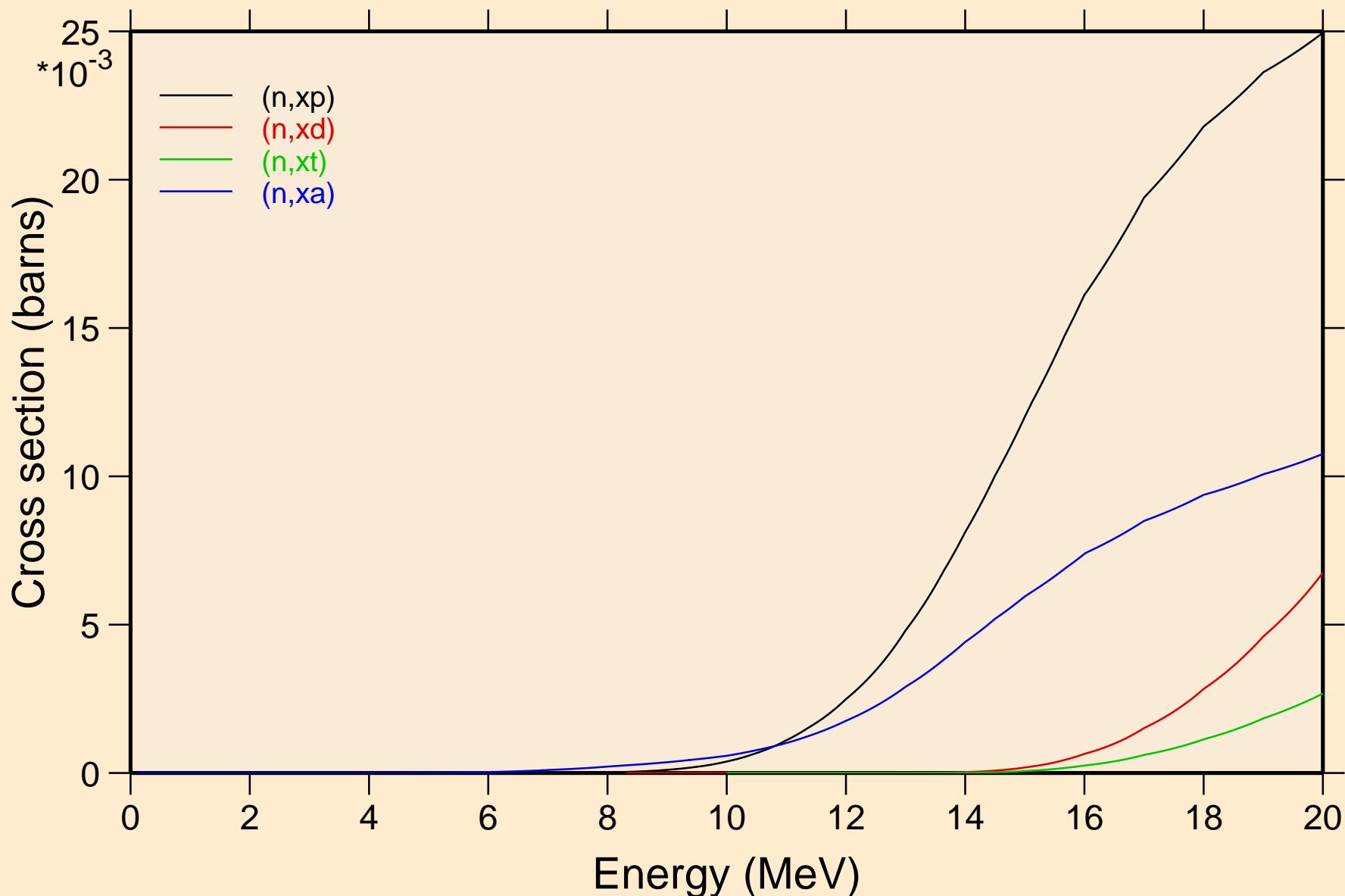
# JENDL-4 ZR-94

## Threshold reactions

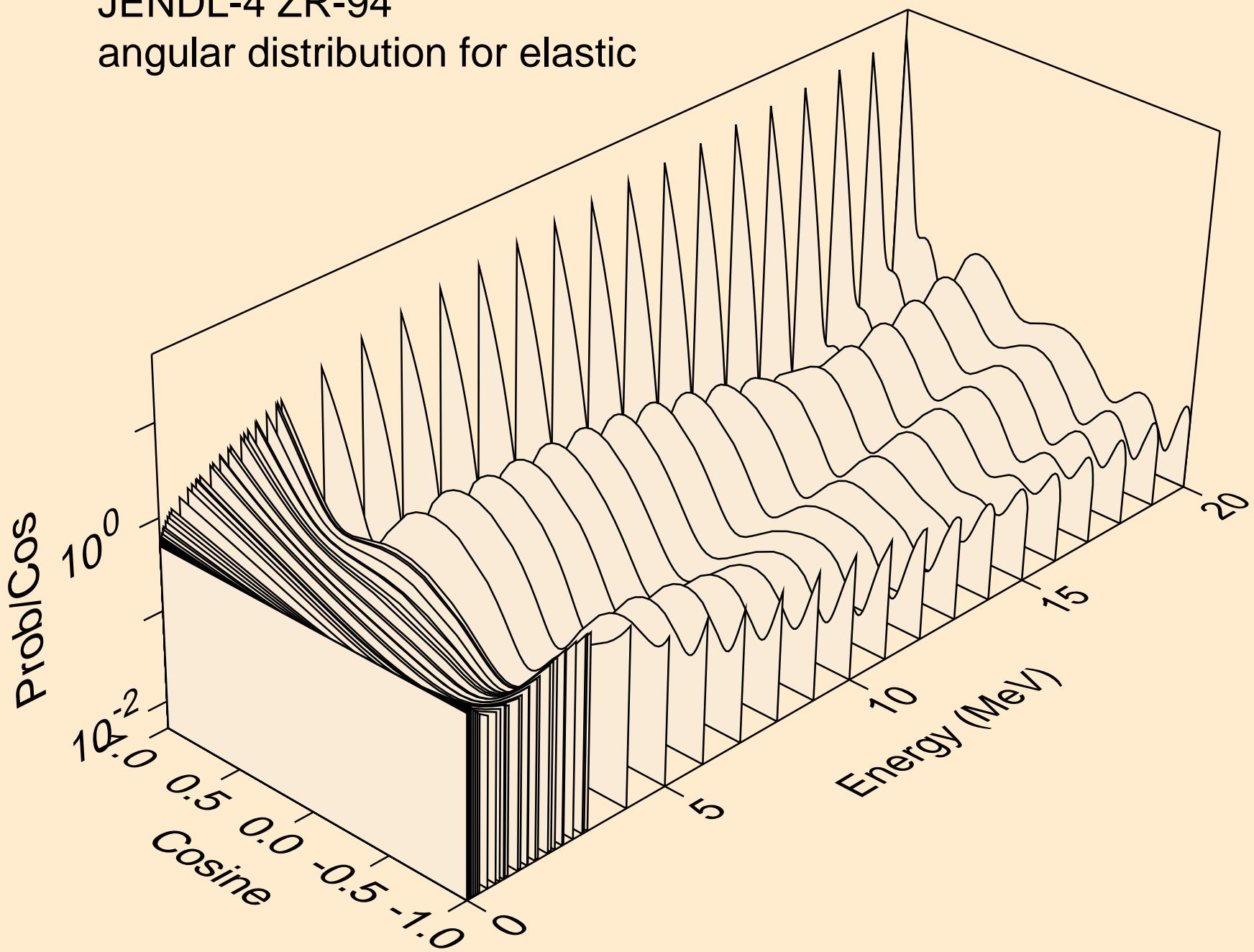


# JENDL-4 ZR-94

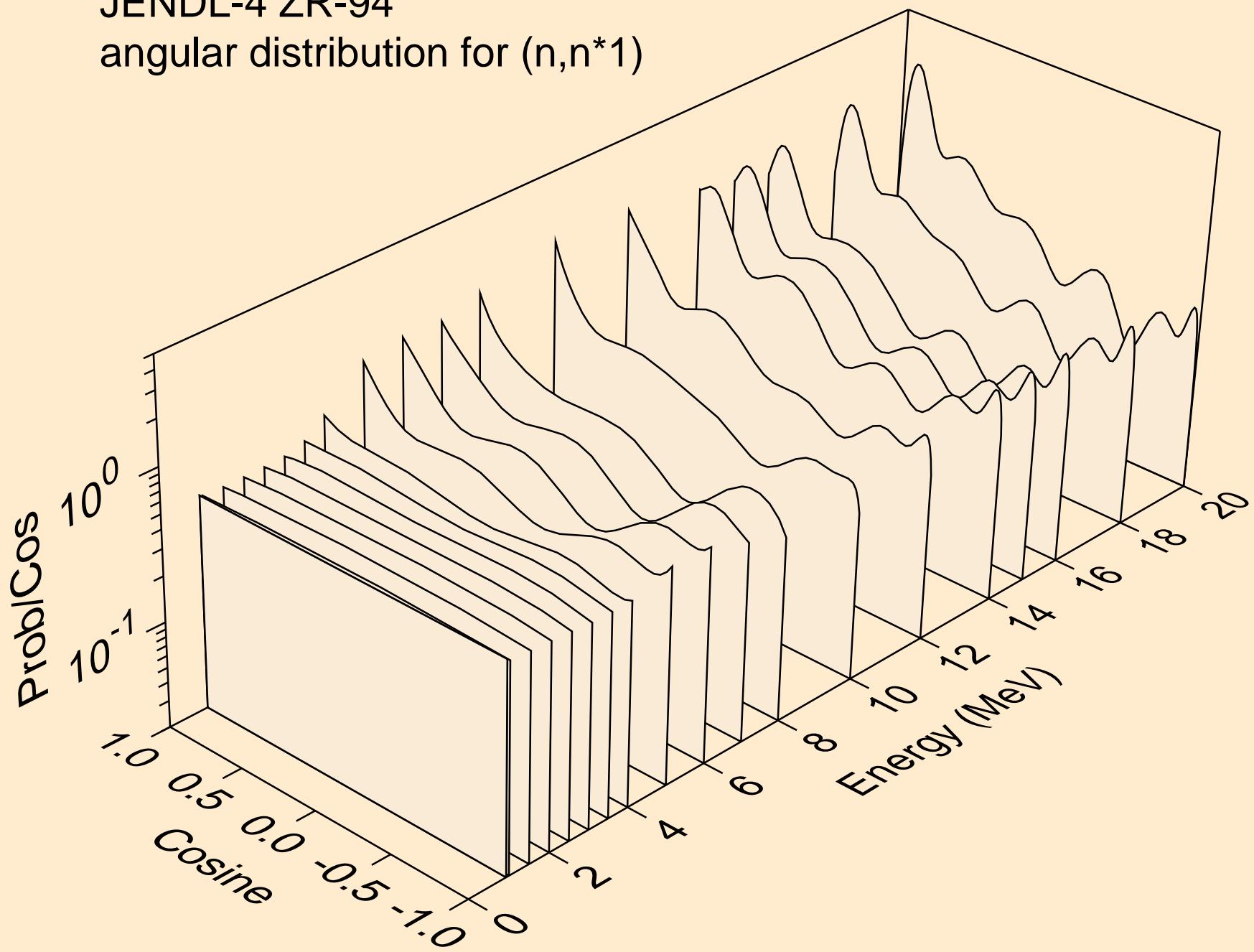
## Threshold reactions



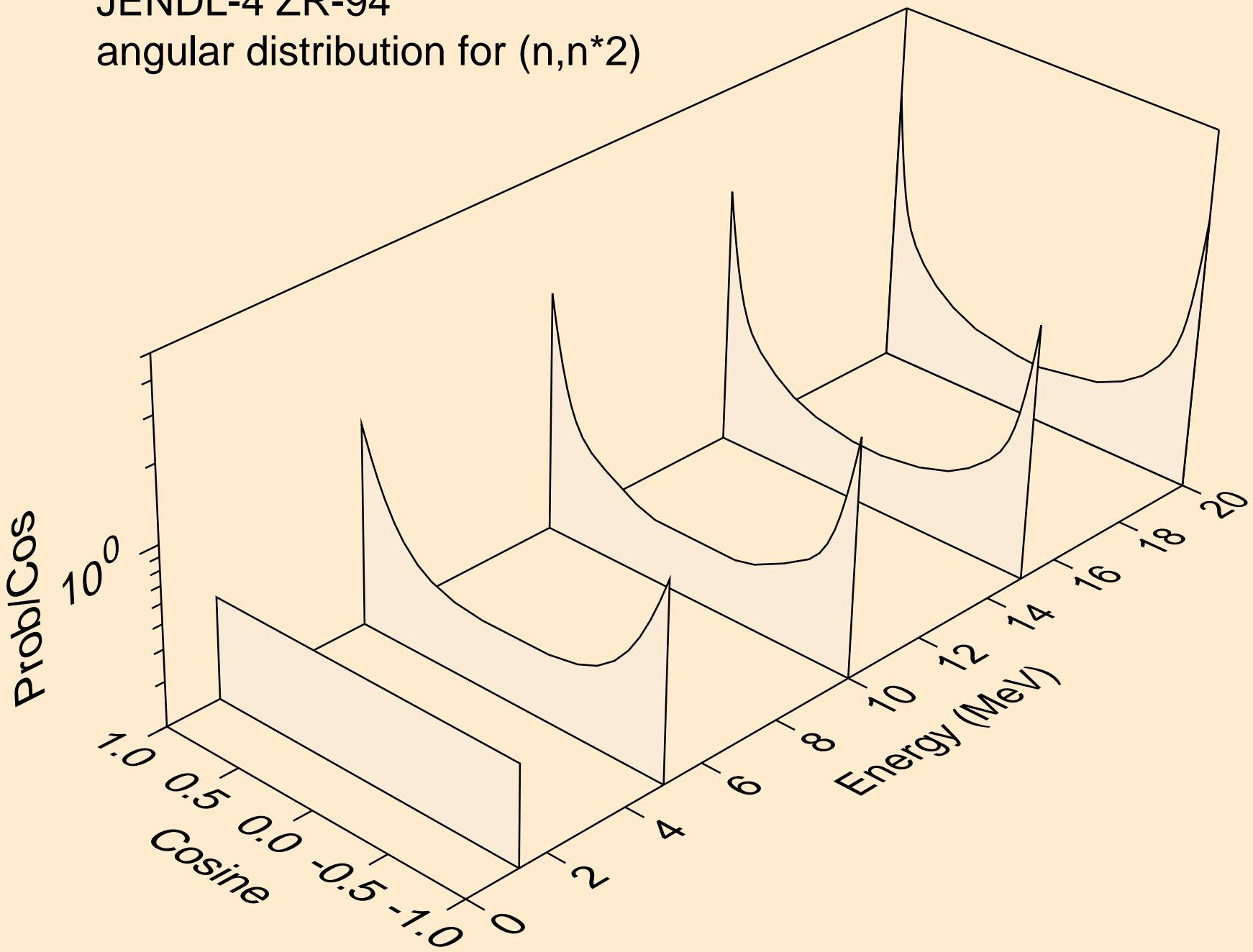
JENDL-4 ZR-94  
angular distribution for elastic



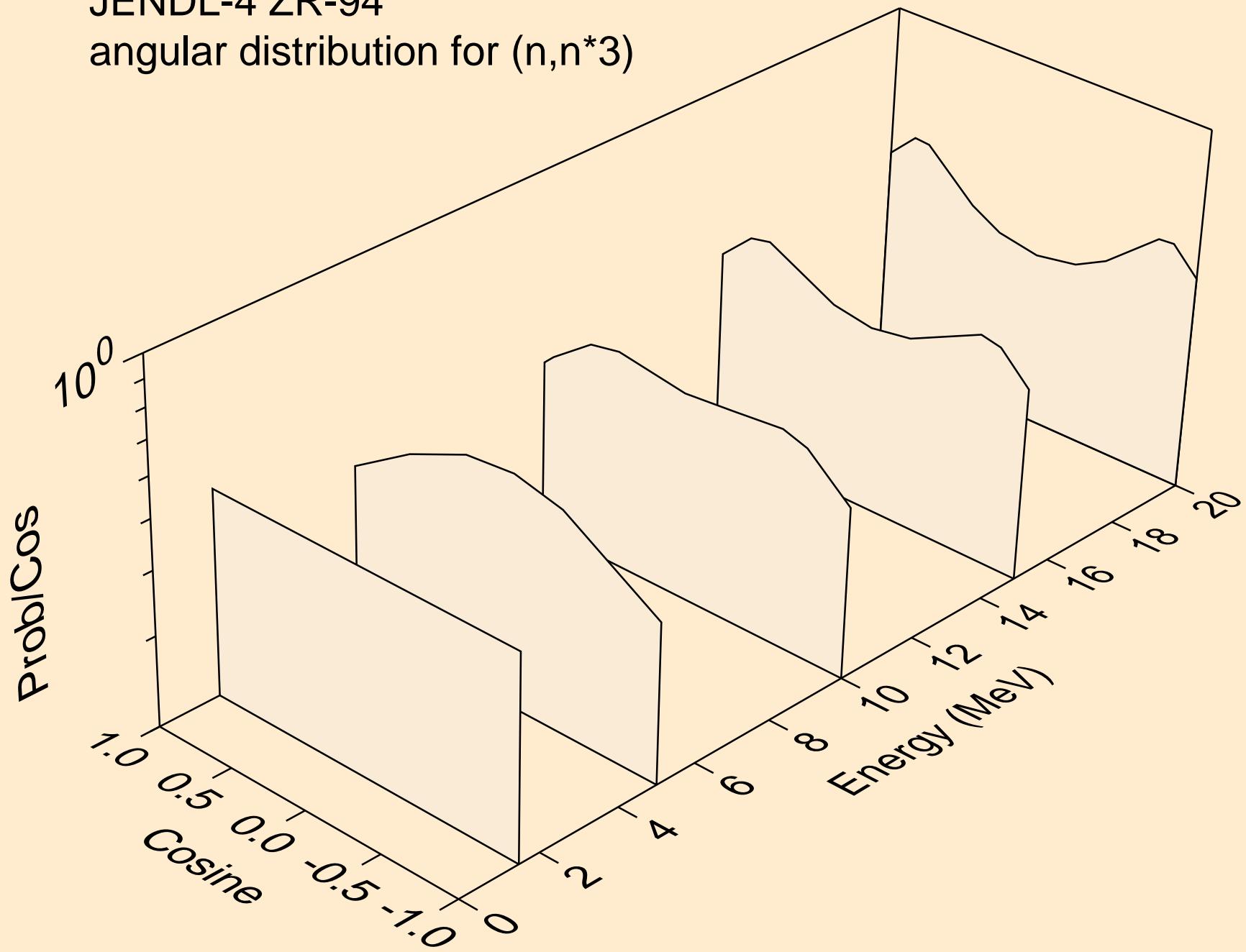
JENDL-4 ZR-94  
angular distribution for  $(n,n^*)$



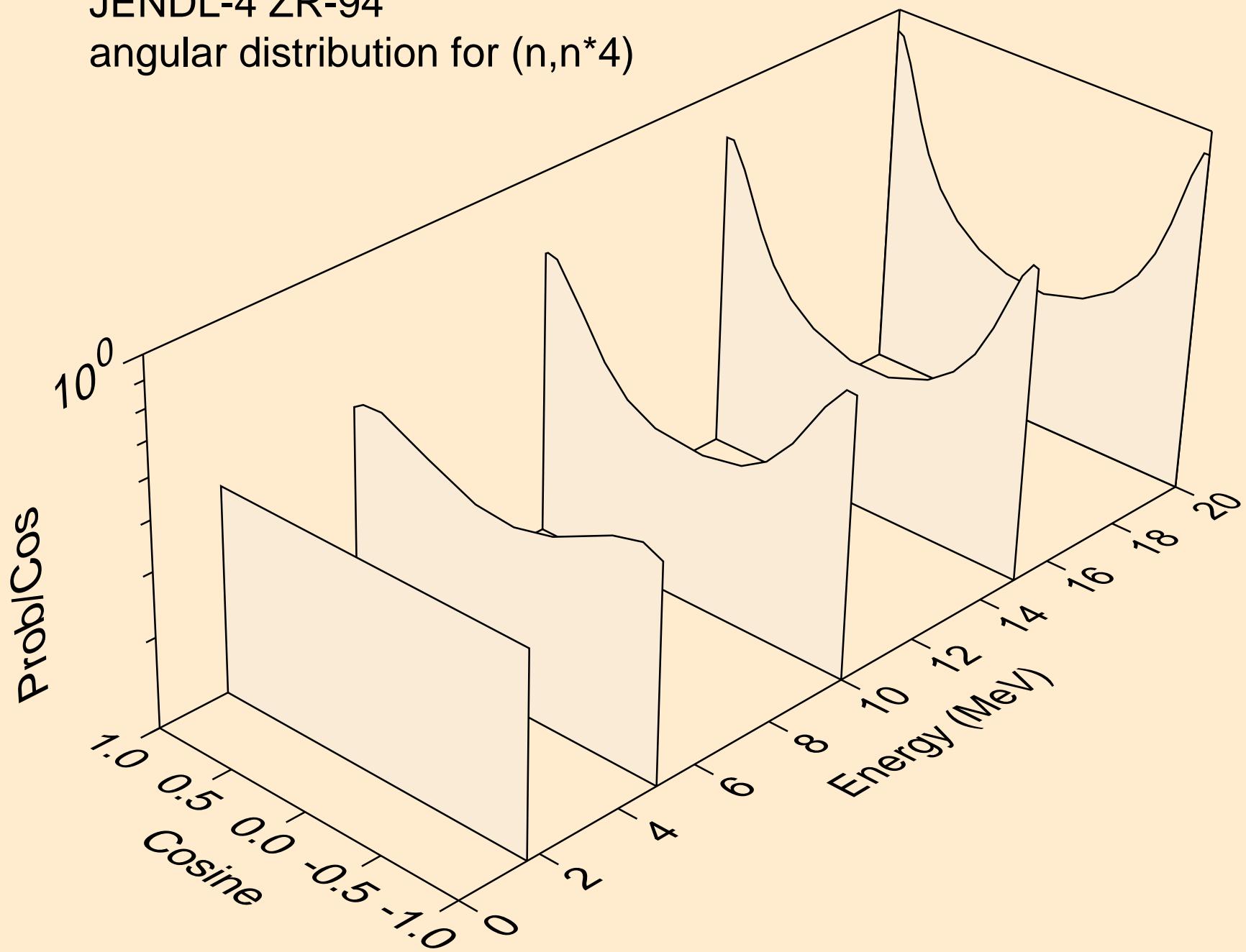
JENDL-4 ZR-94  
angular distribution for  $(n,n^2)$



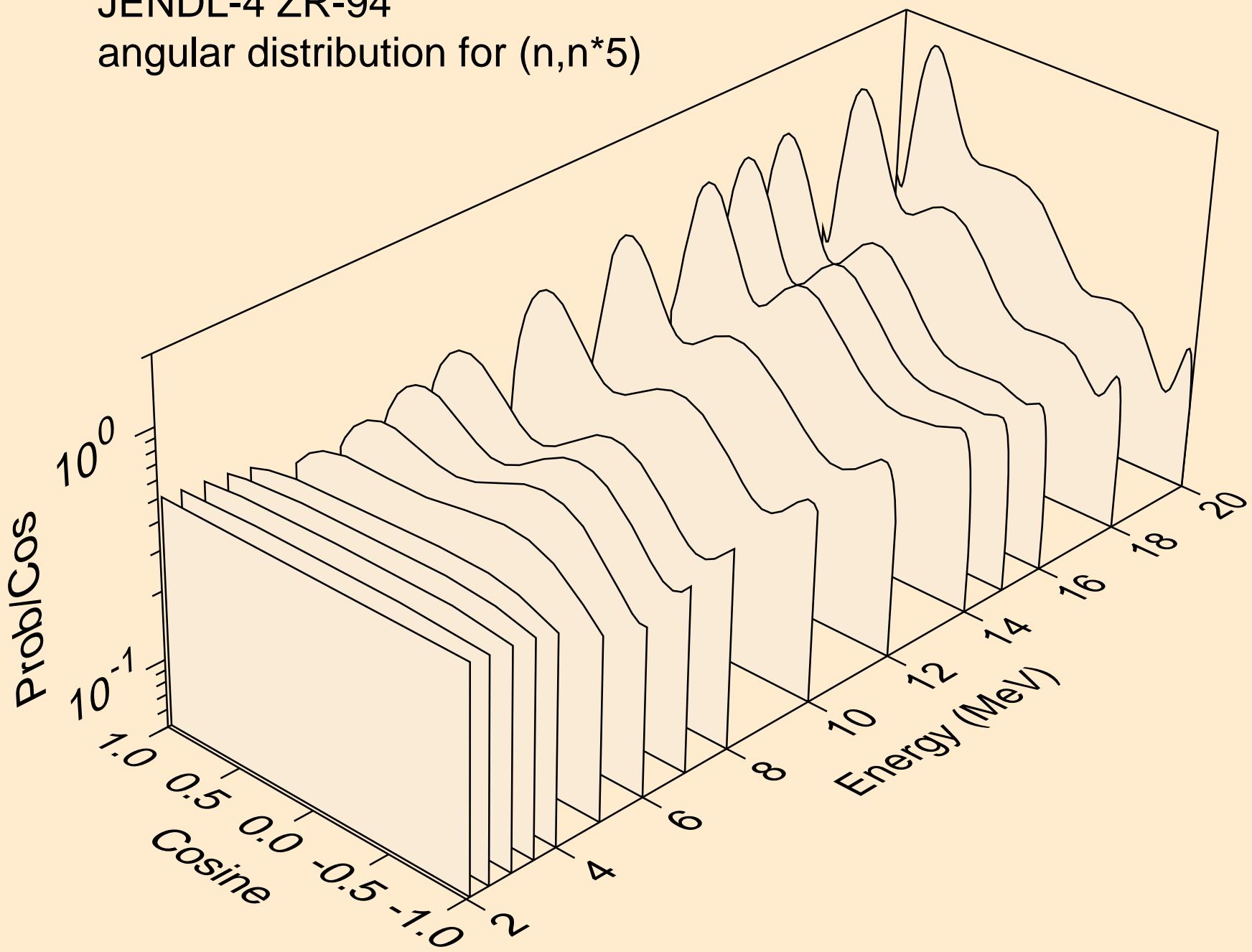
JENDL-4 ZR-94  
angular distribution for  $(n,n^*3)$



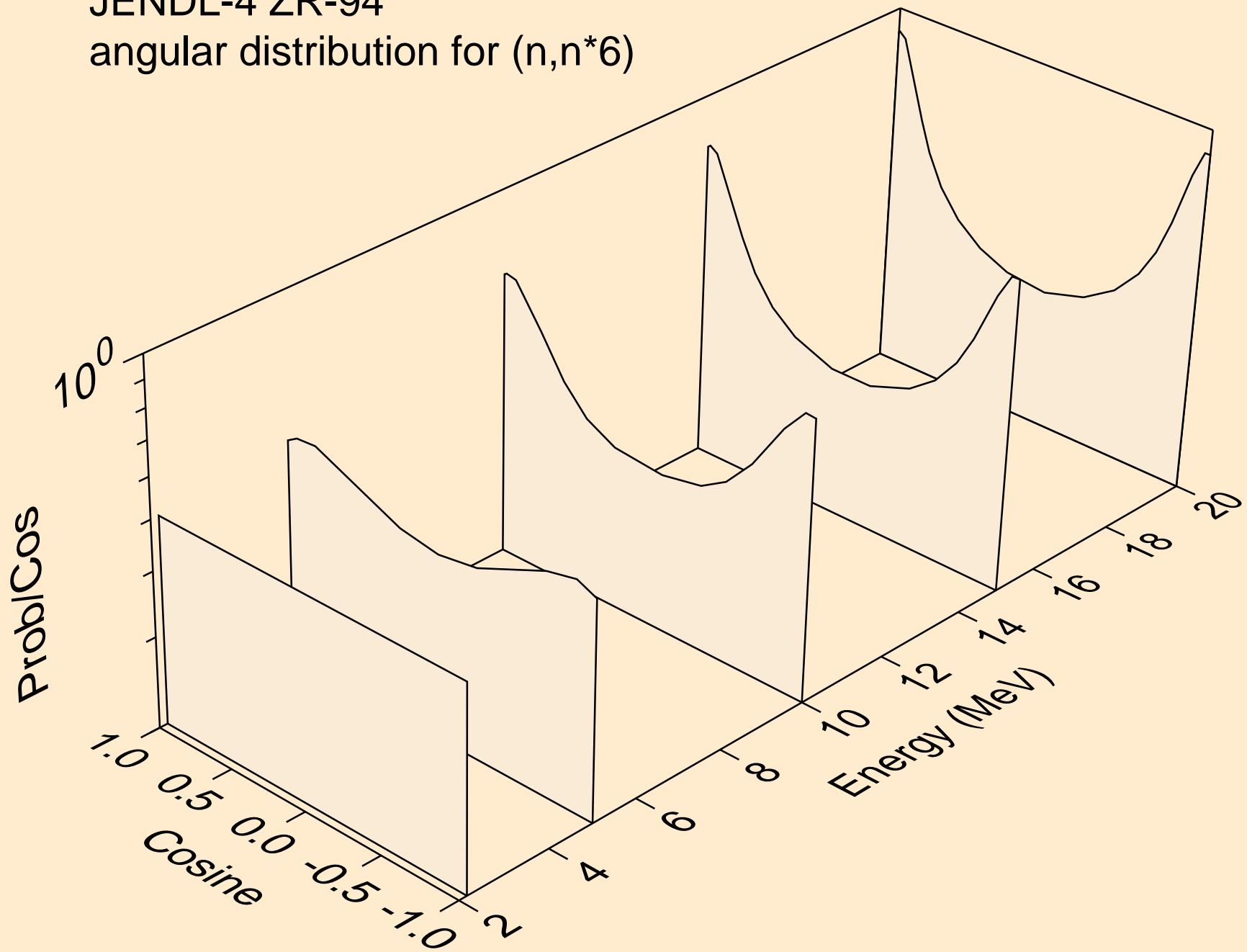
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angular distribution for  $(n,n^*4)$



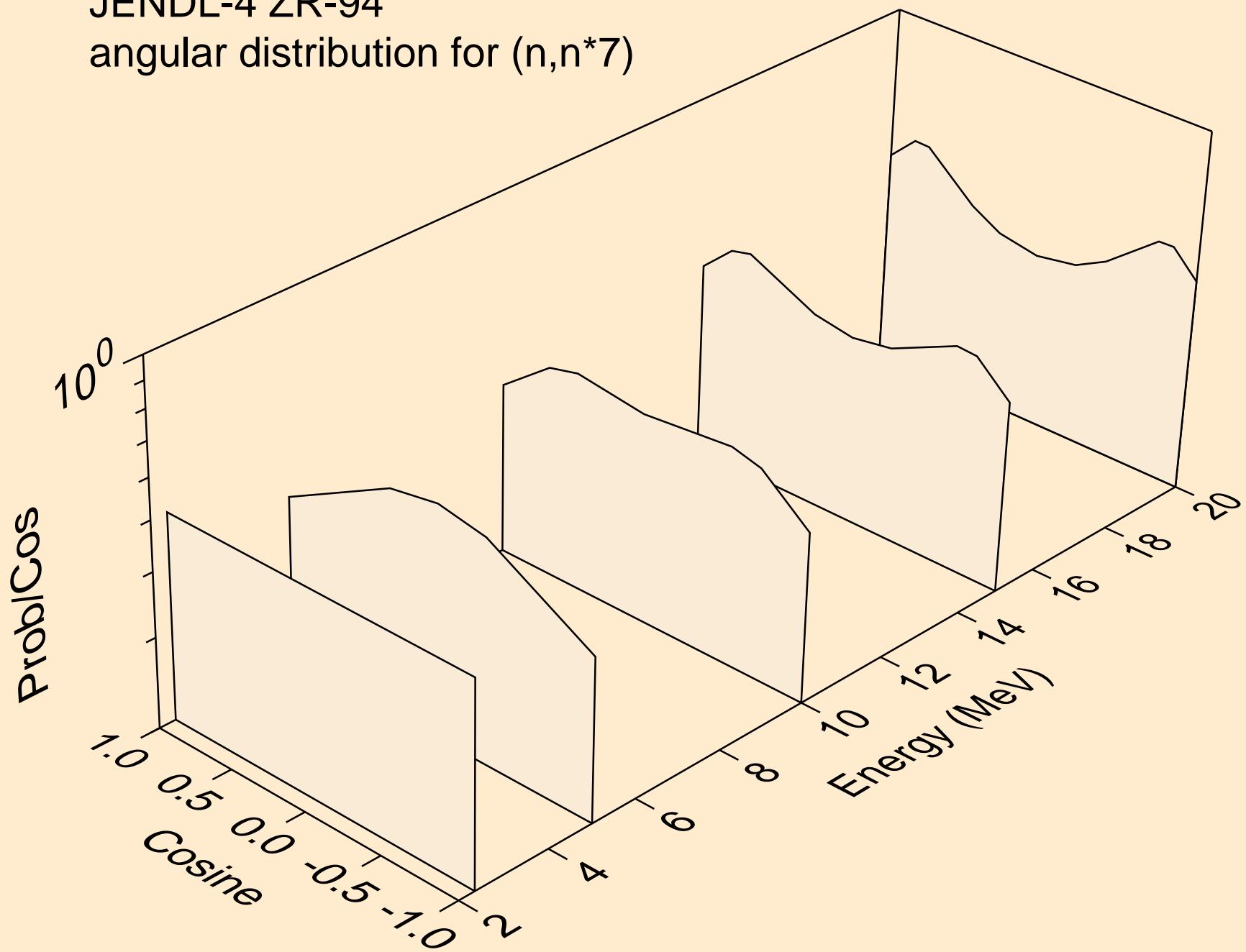
JENDL-4 ZR-94  
angular distribution for  $(n,n^*)^5$



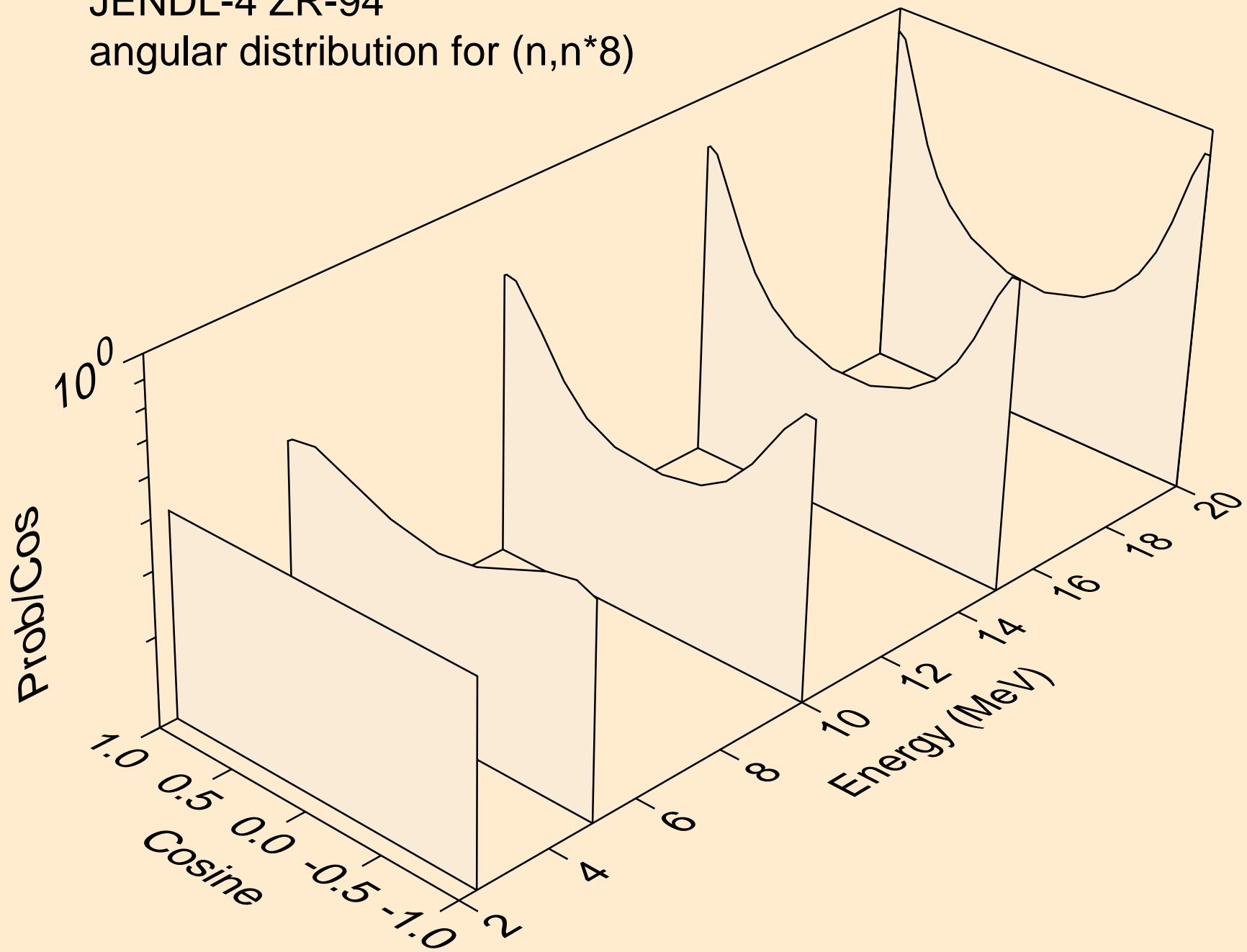
JENDL-4 ZR-94  
angular distribution for  $(n,n^*6)$



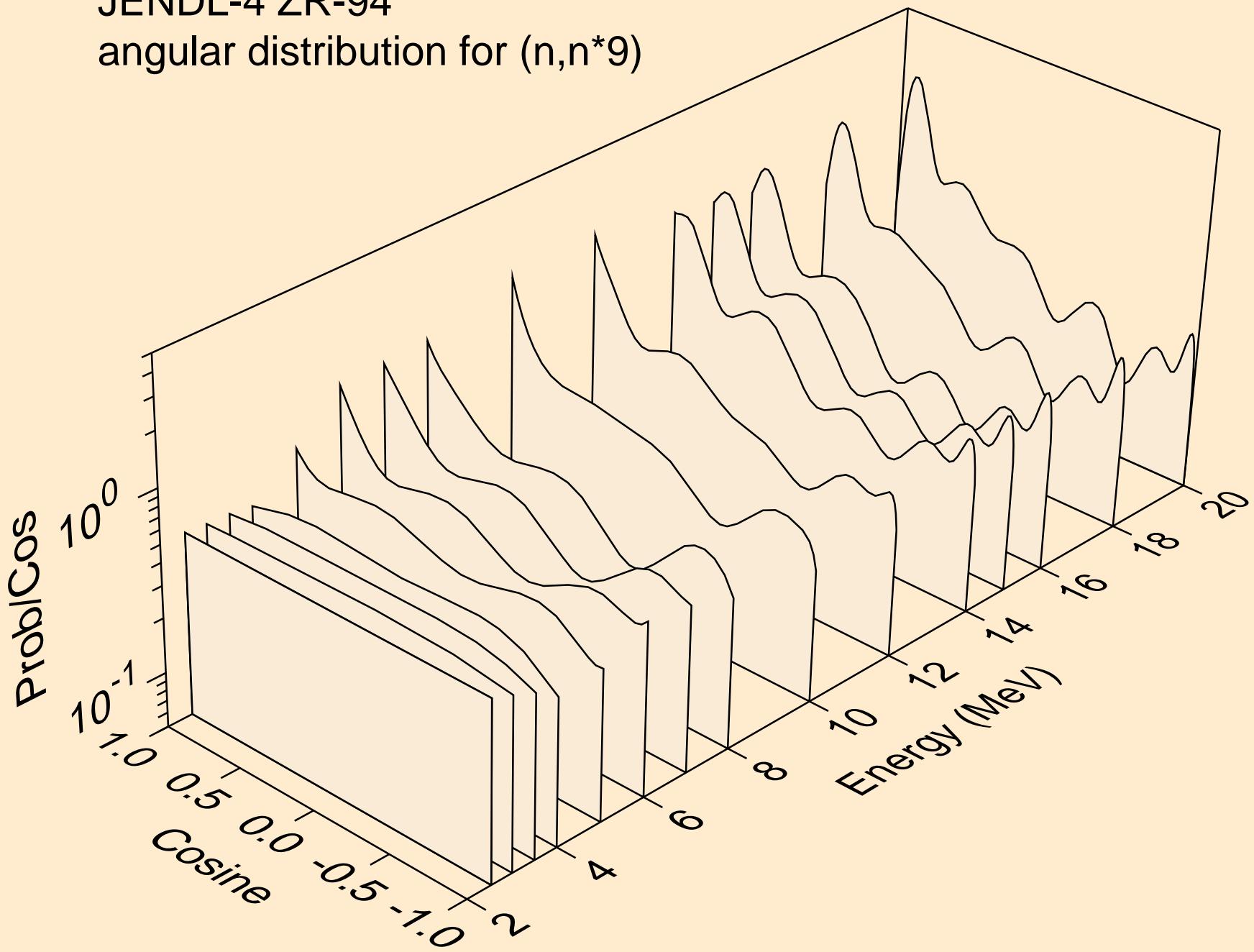
JENDL-4 ZR-94  
angular distribution for  $(n,n^*7)$



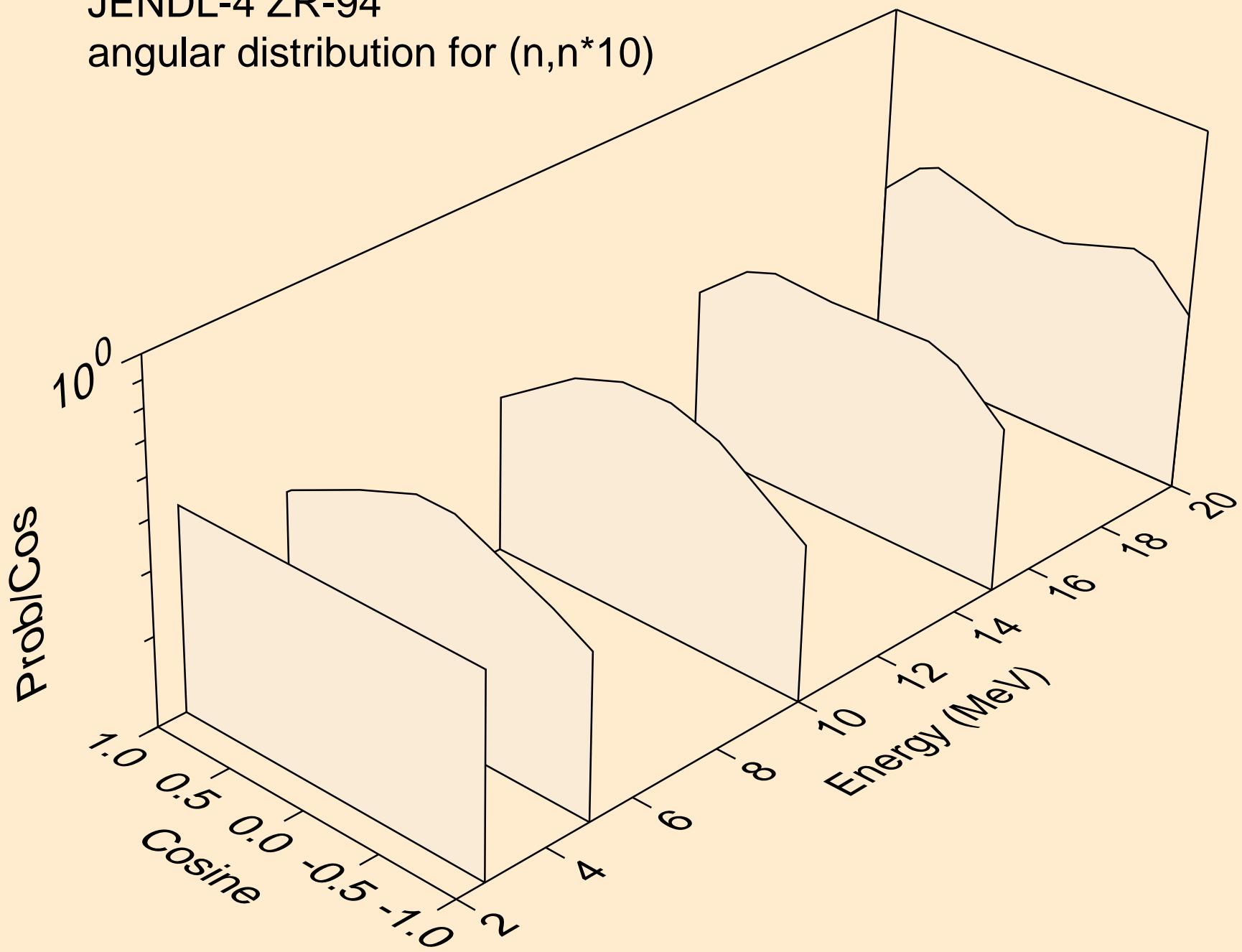
JENDL-4 ZR-94  
angular distribution for  $(n,n^*8)$



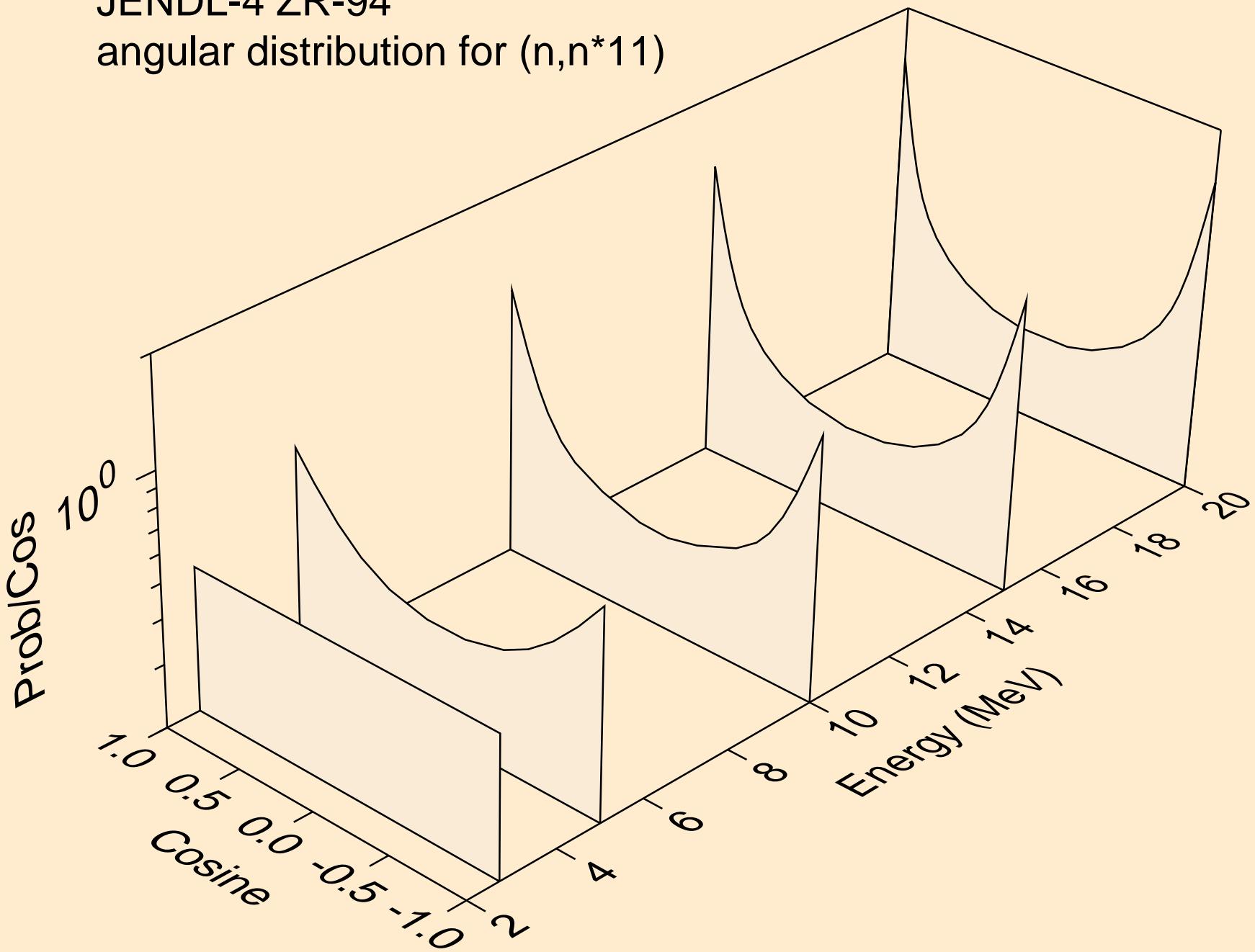
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angular distribution for  $(n,n^*9)$



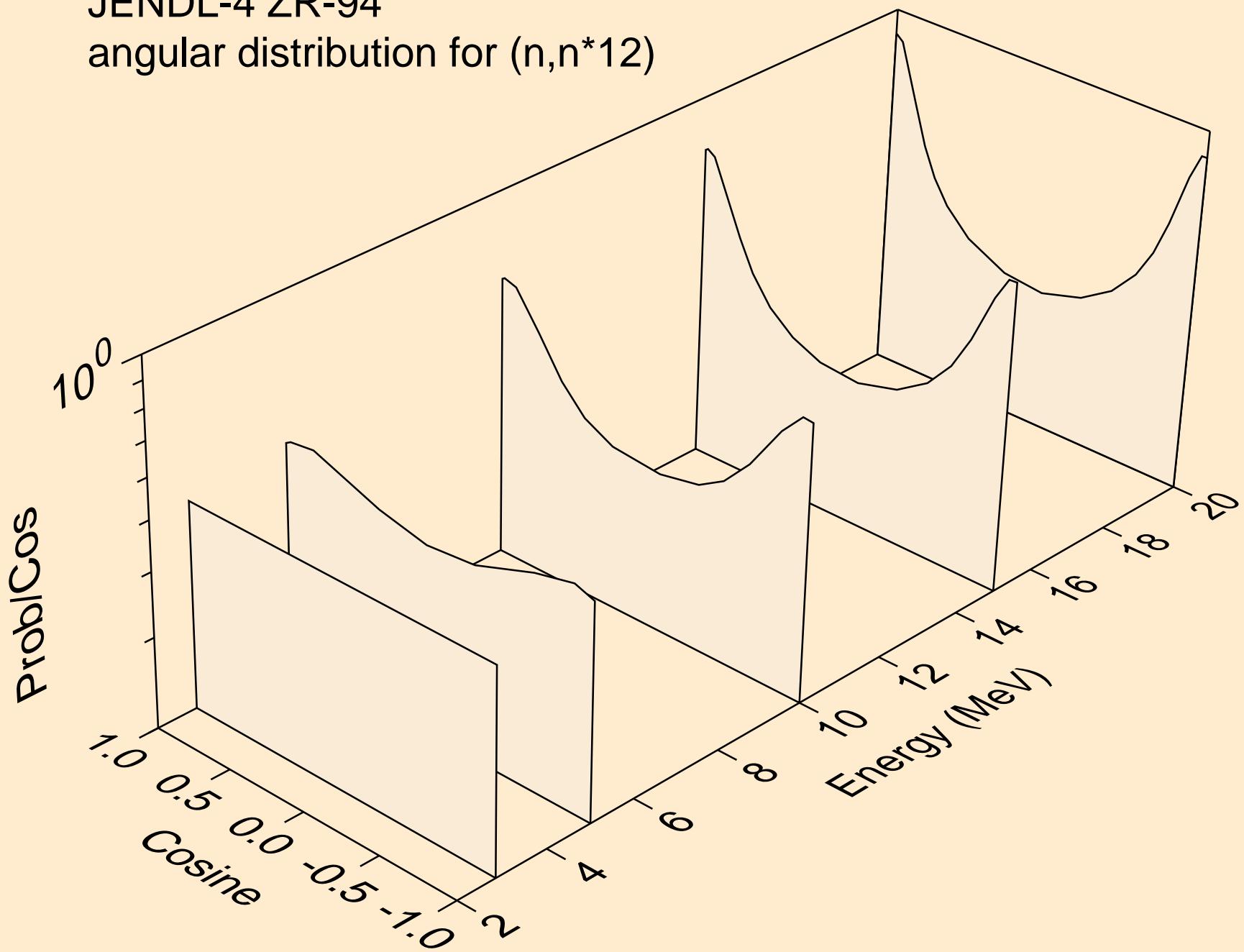
JENDL-4 ZR-94  
angular distribution for (n,n\*10)



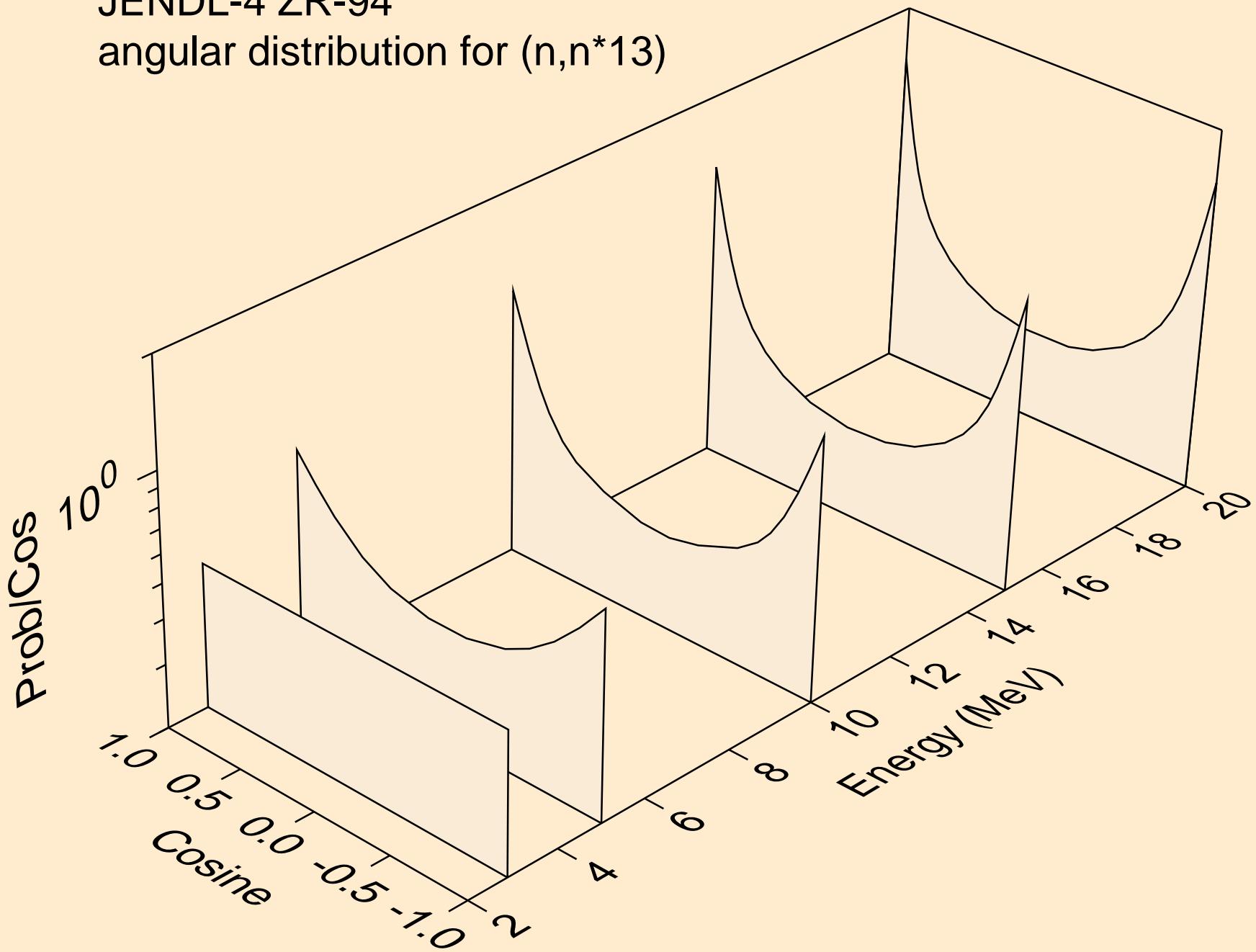
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angular distribution for  $(n,n^*11)$



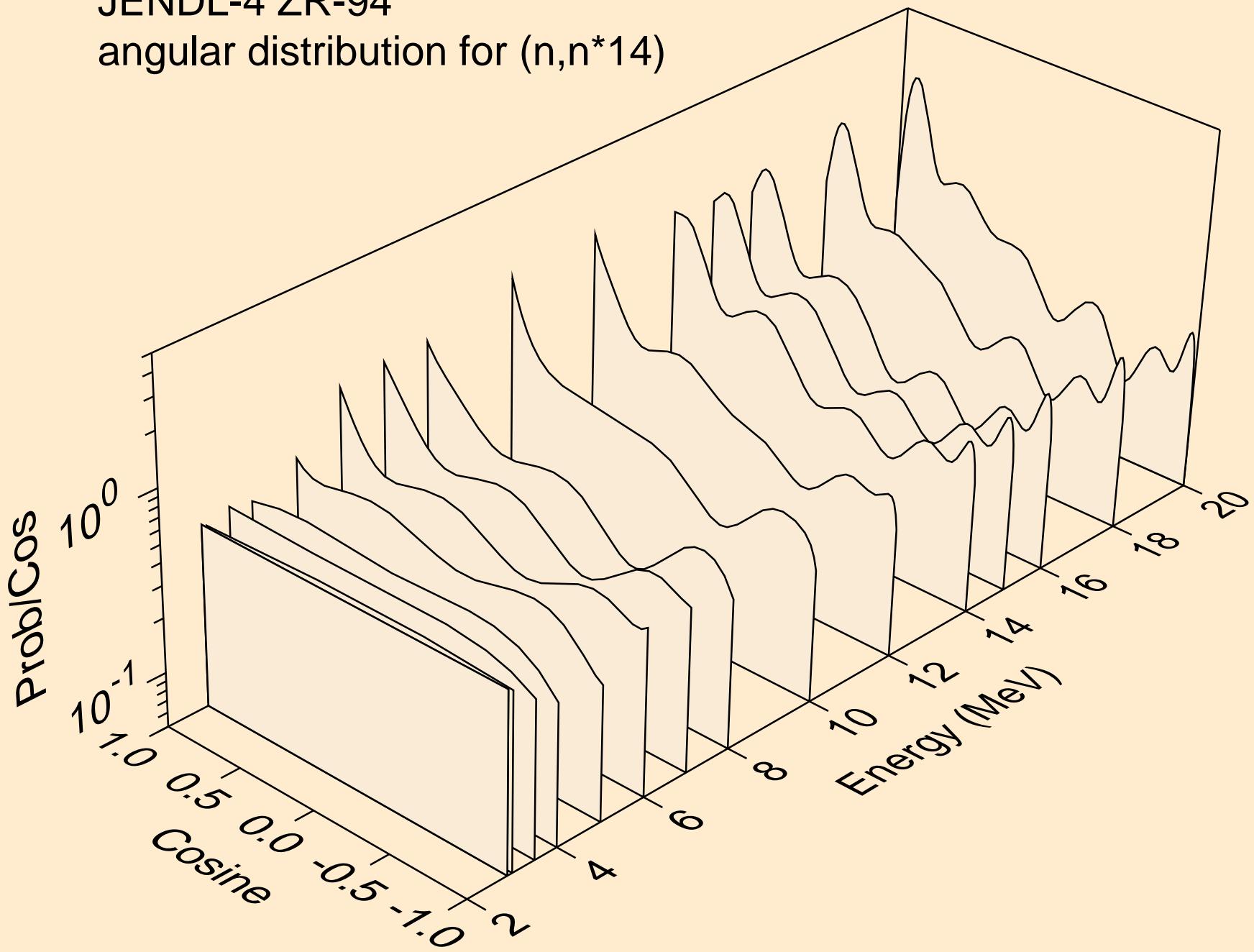
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angular distribution for (n,n\*12)



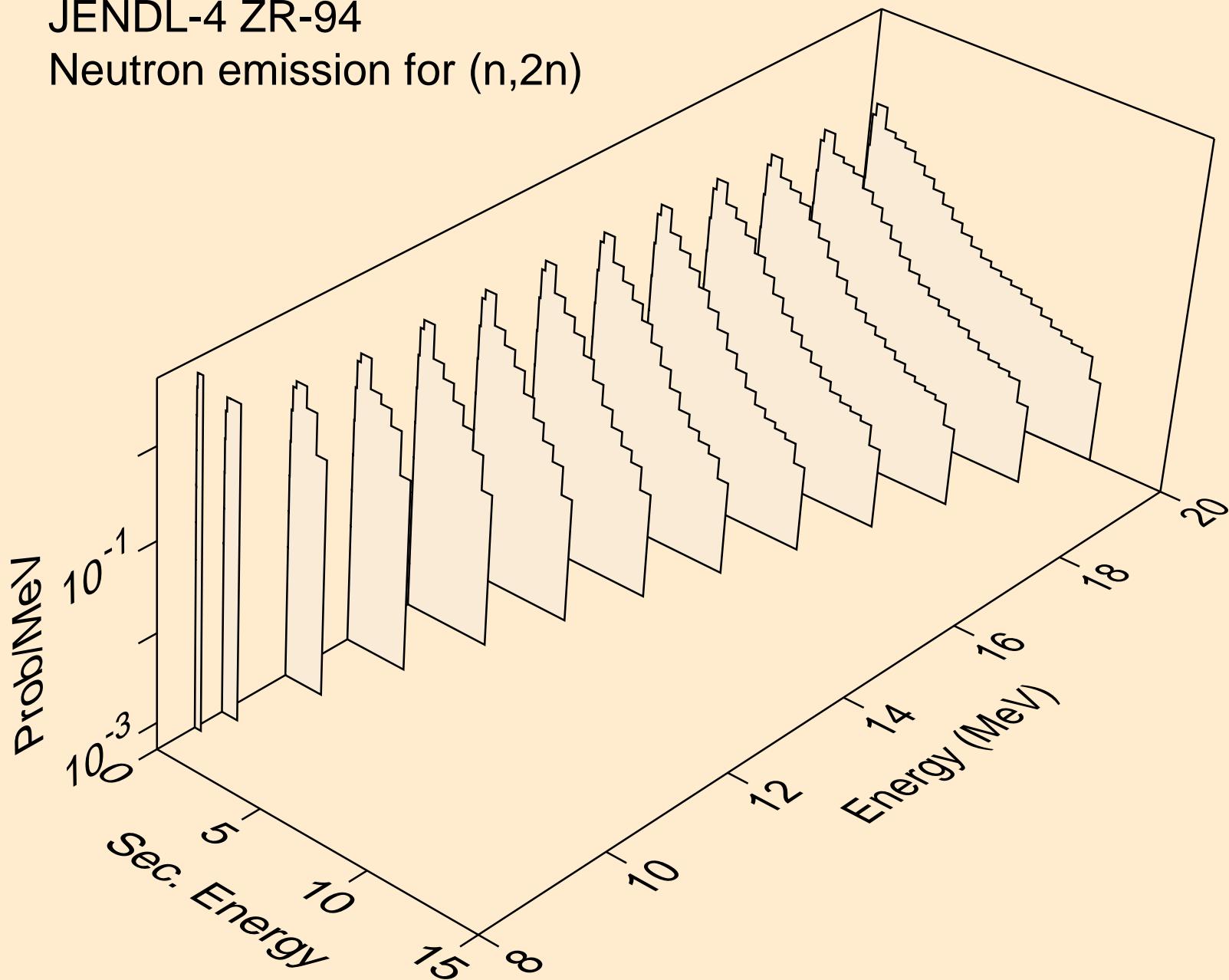
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angular distribution for  $(n,n^*13)$



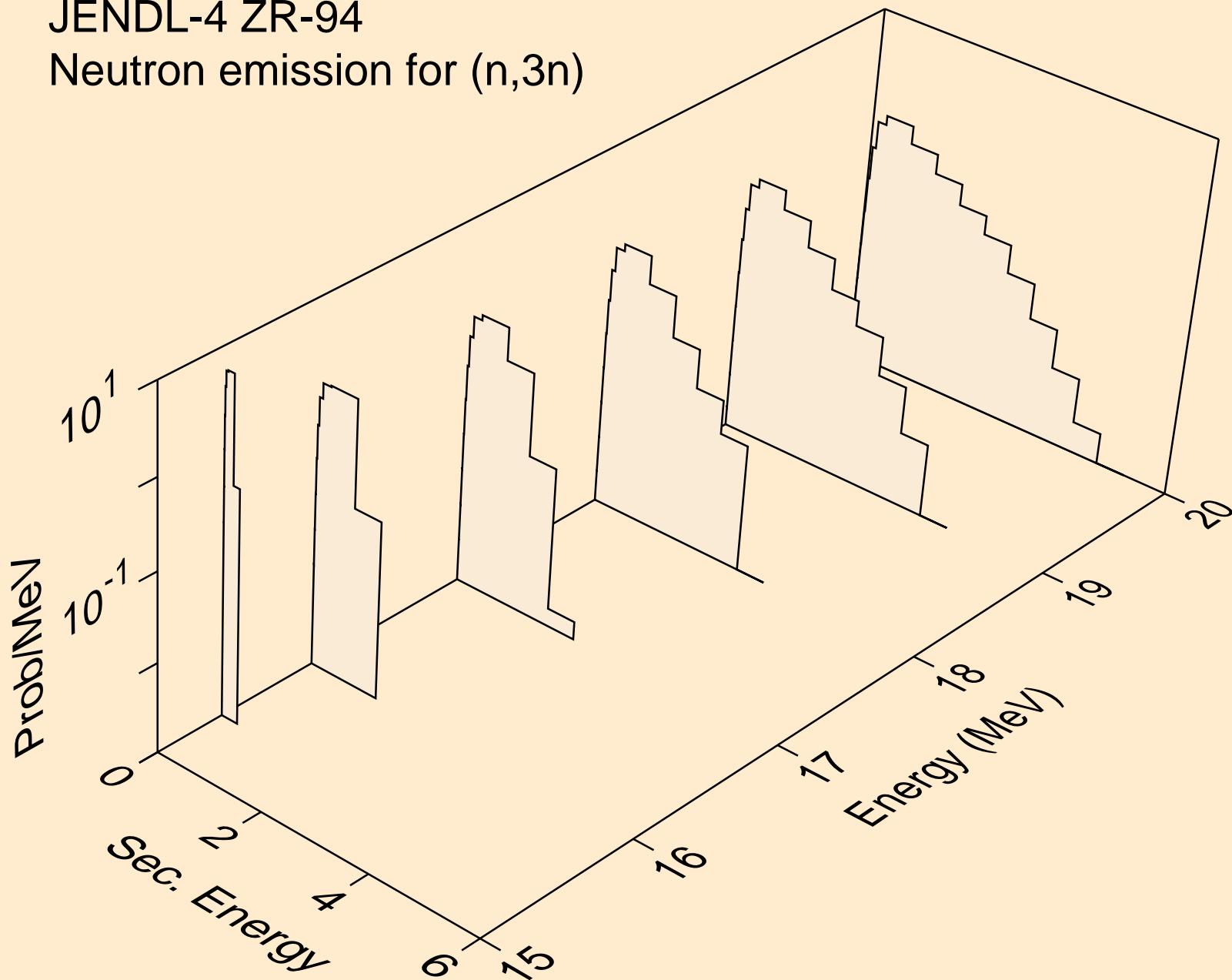
JENDL-4 ZR-94  
angular distribution for  $(n,n^*14)$



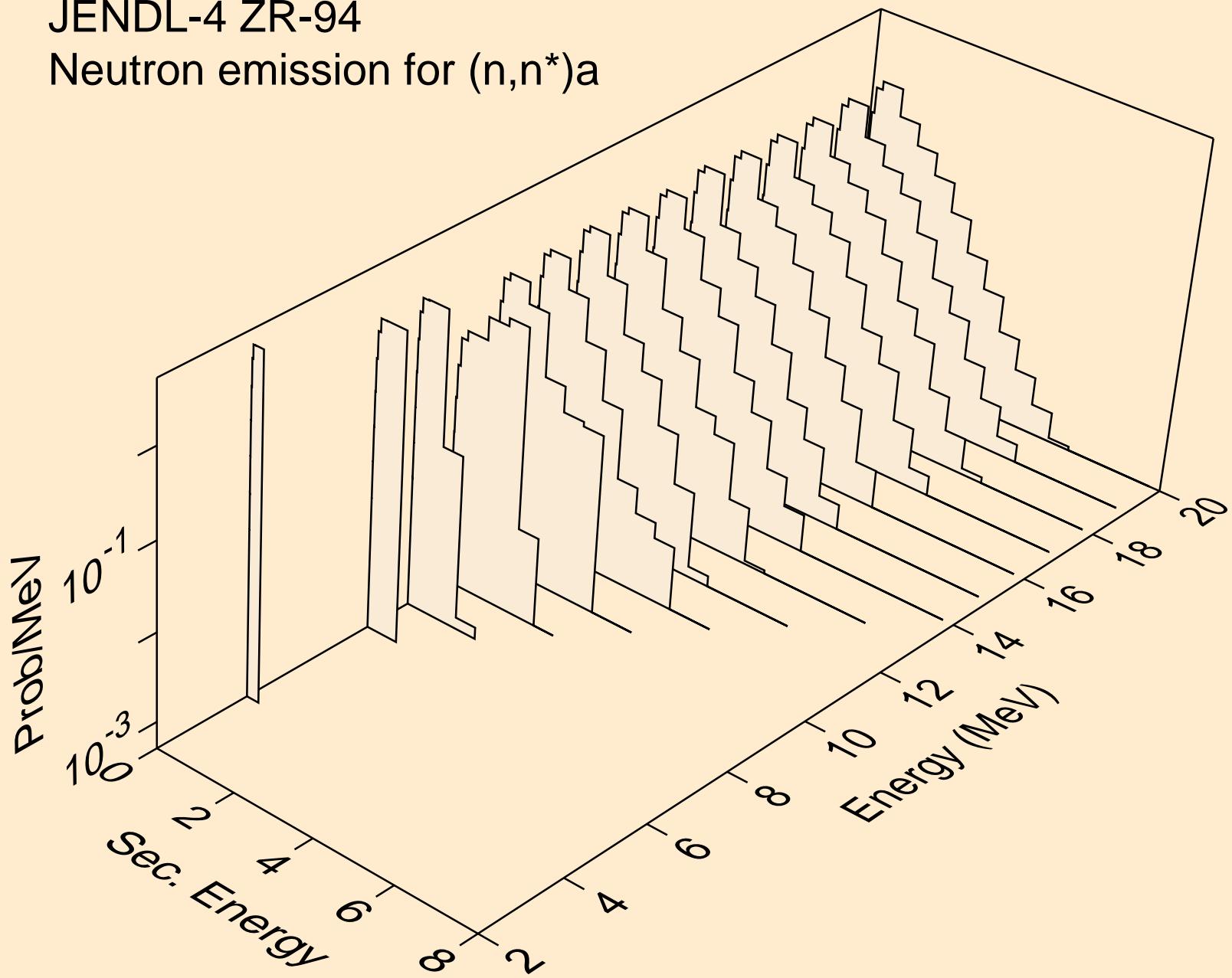
JENDL-4 ZR-94  
Neutron emission for  $(n,2n)$



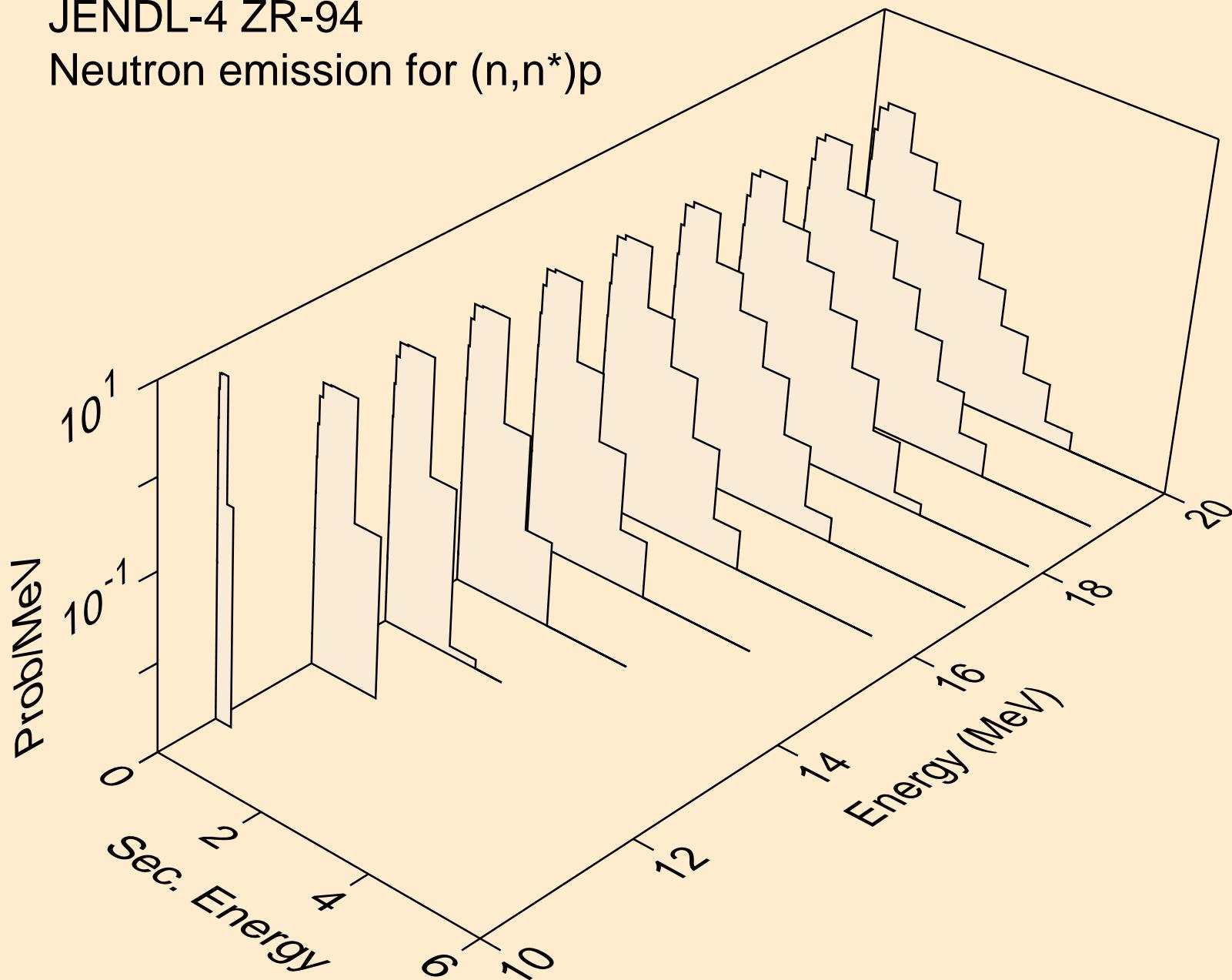
JENDL-4 ZR-94  
Neutron emission for  $(n,3n)$



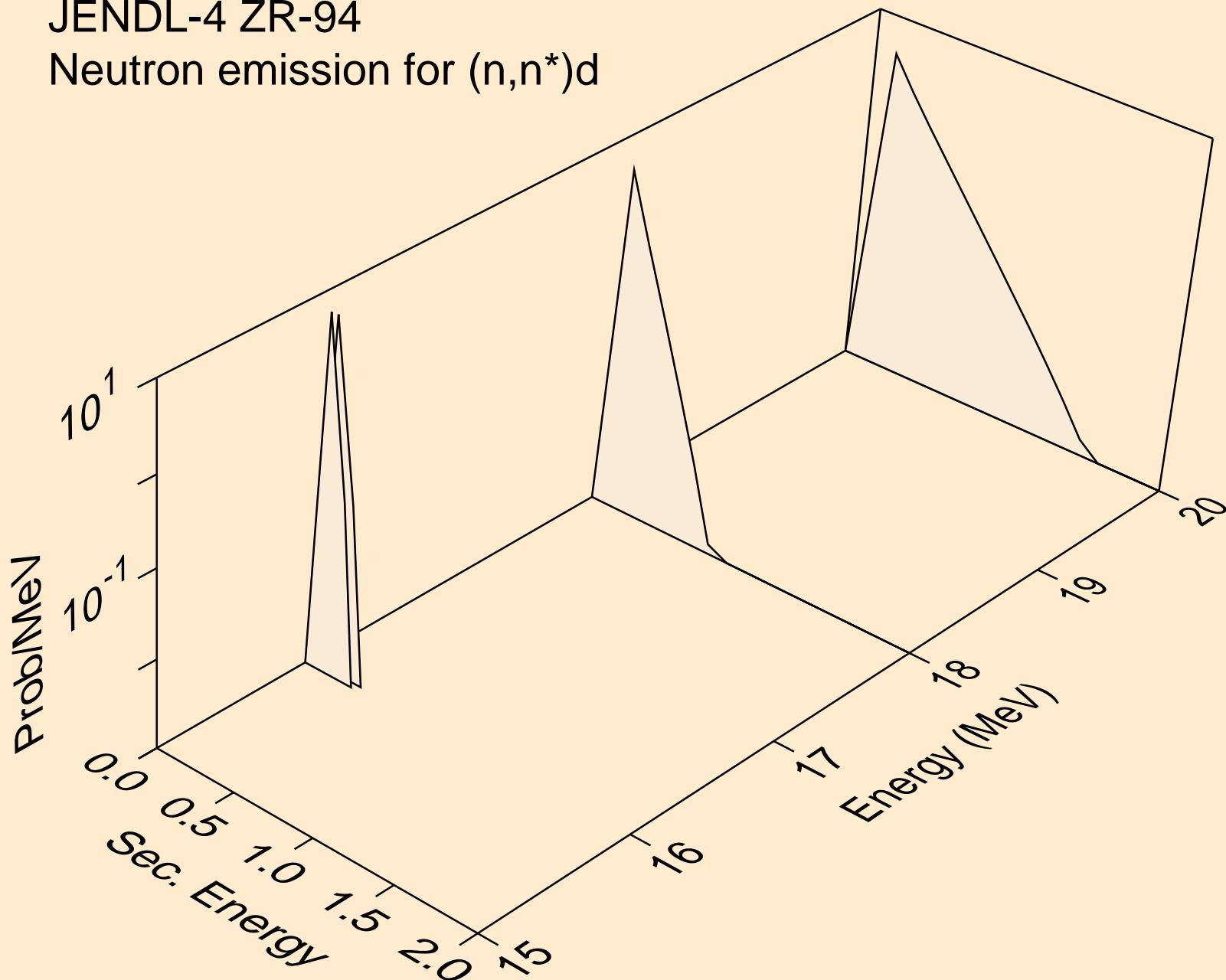
JENDL-4 ZR-94  
Neutron emission for  $(n,n^*)a$



JENDL-4 ZR-94  
Neutron emission for  $(n,n^*)p$

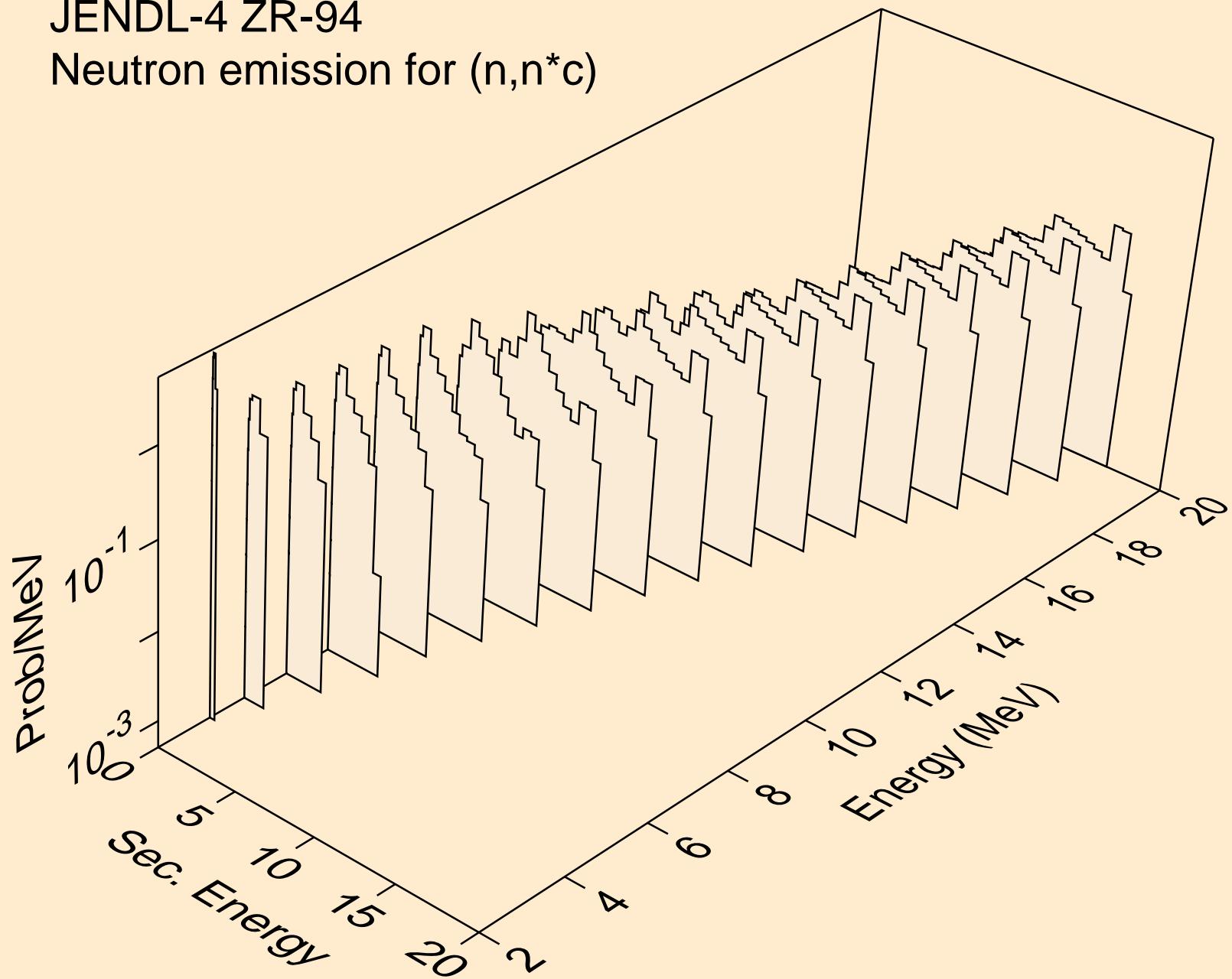


JENDL-4 ZR-94  
Neutron emission for  $(n,n^*)d$

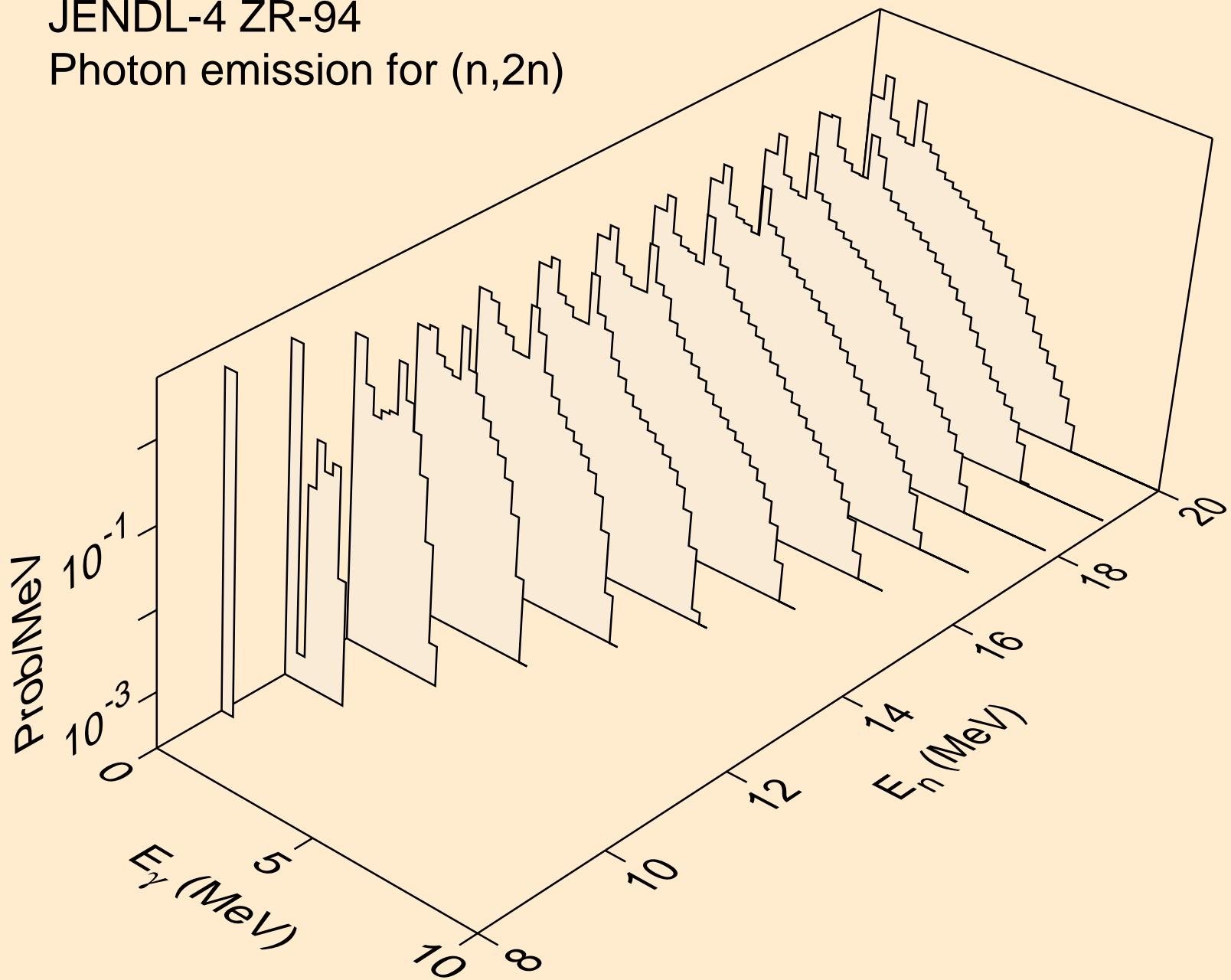


JENDL-4 ZR-94

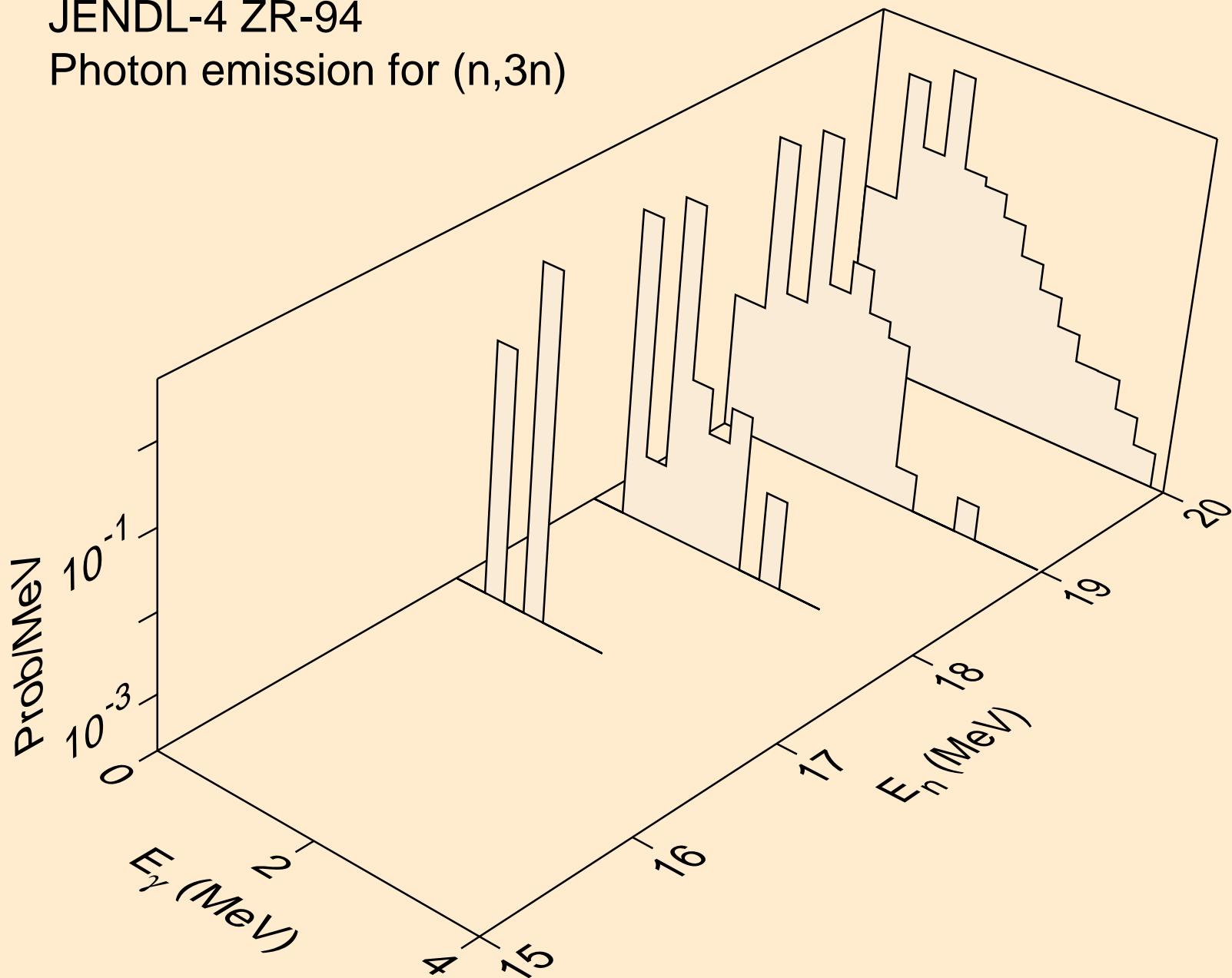
Neutron emission for  $(n, n^* c)$



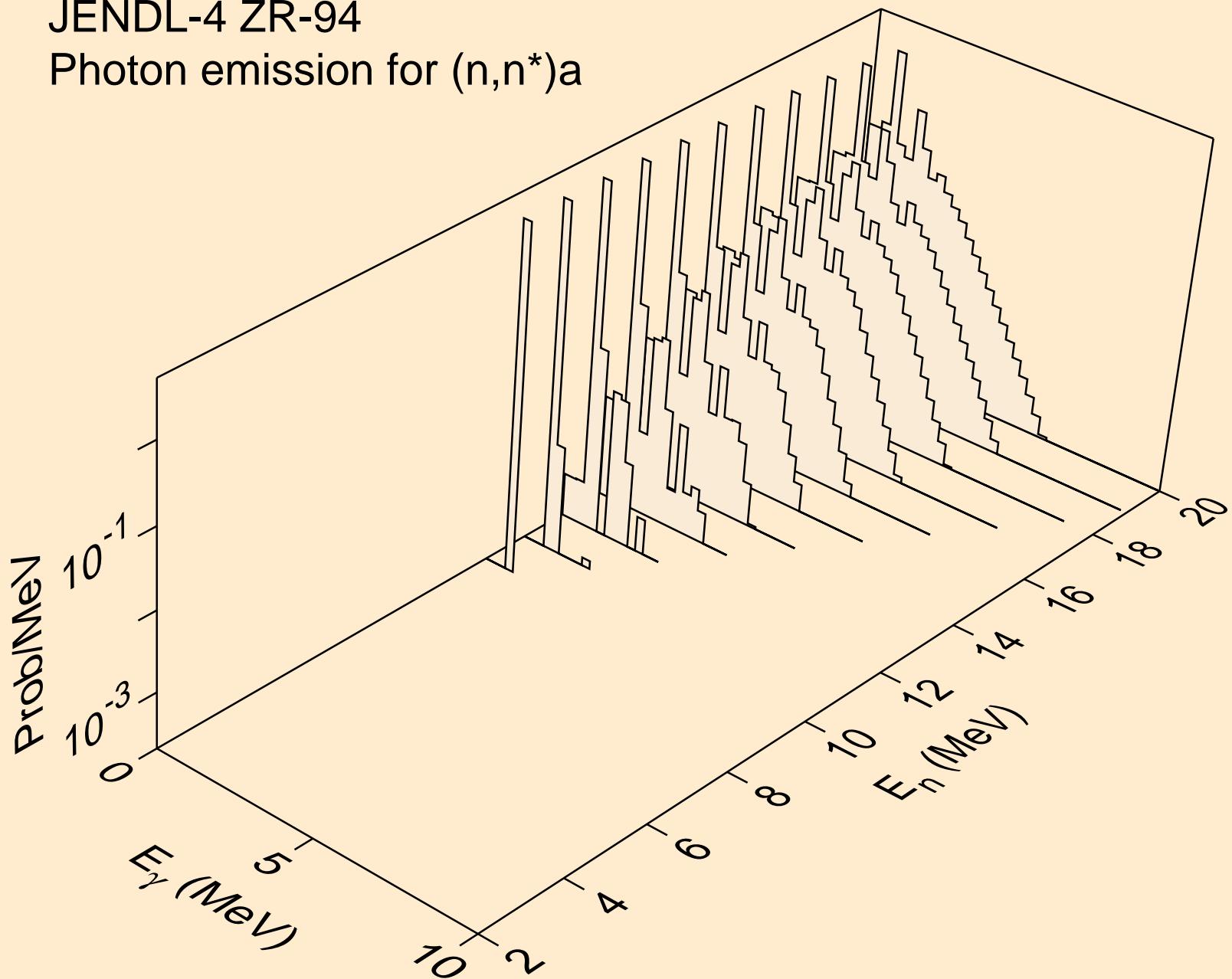
JENDL-4 ZR-94  
Photon emission for (n,2n)



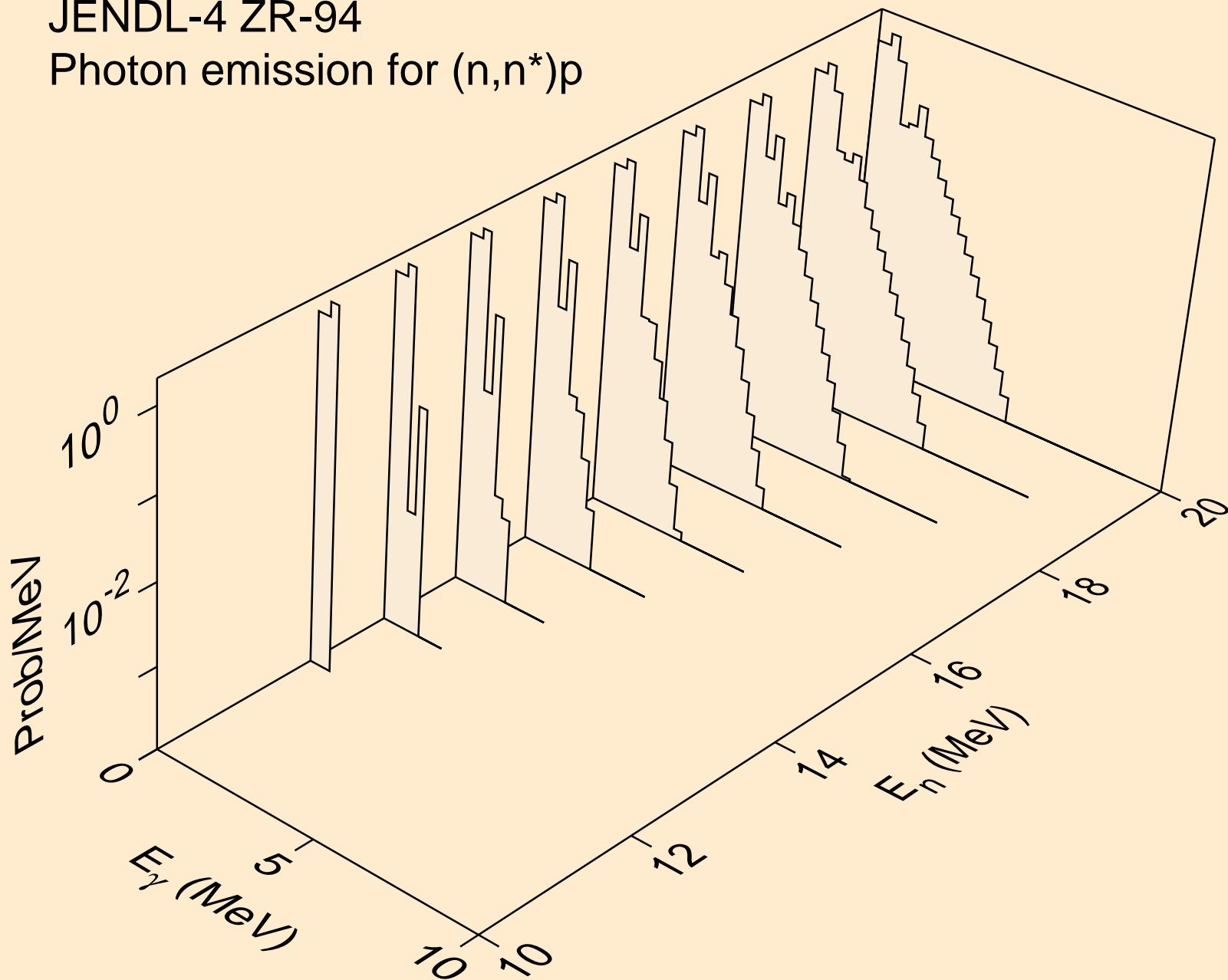
JENDL-4 ZR-94  
Photon emission for (n,3n)



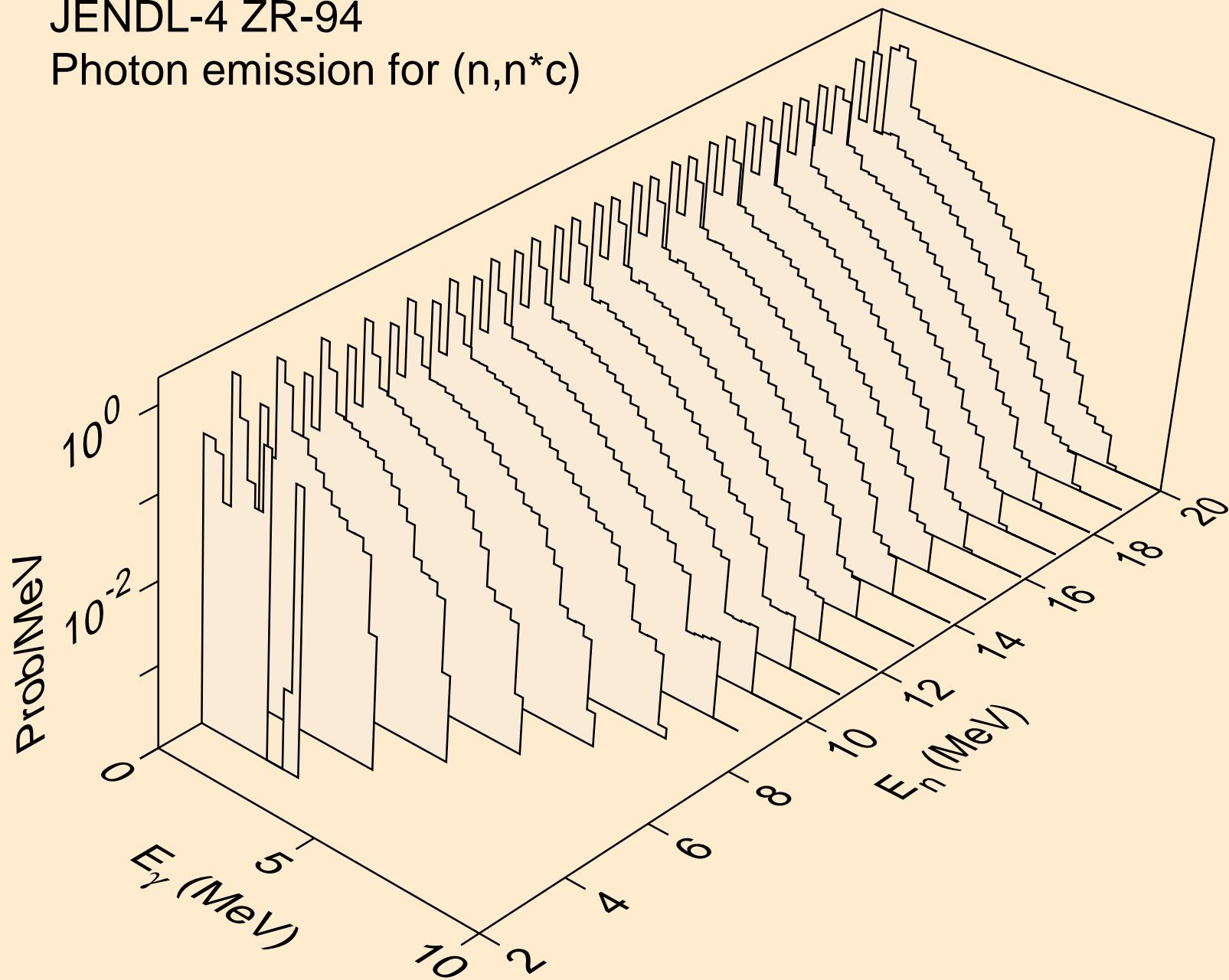
JENDL-4 ZR-94  
Photon emission for  $(n,n^*)a$



JENDL-4 ZR-94  
Photon emission for  $(n,n^*)p$

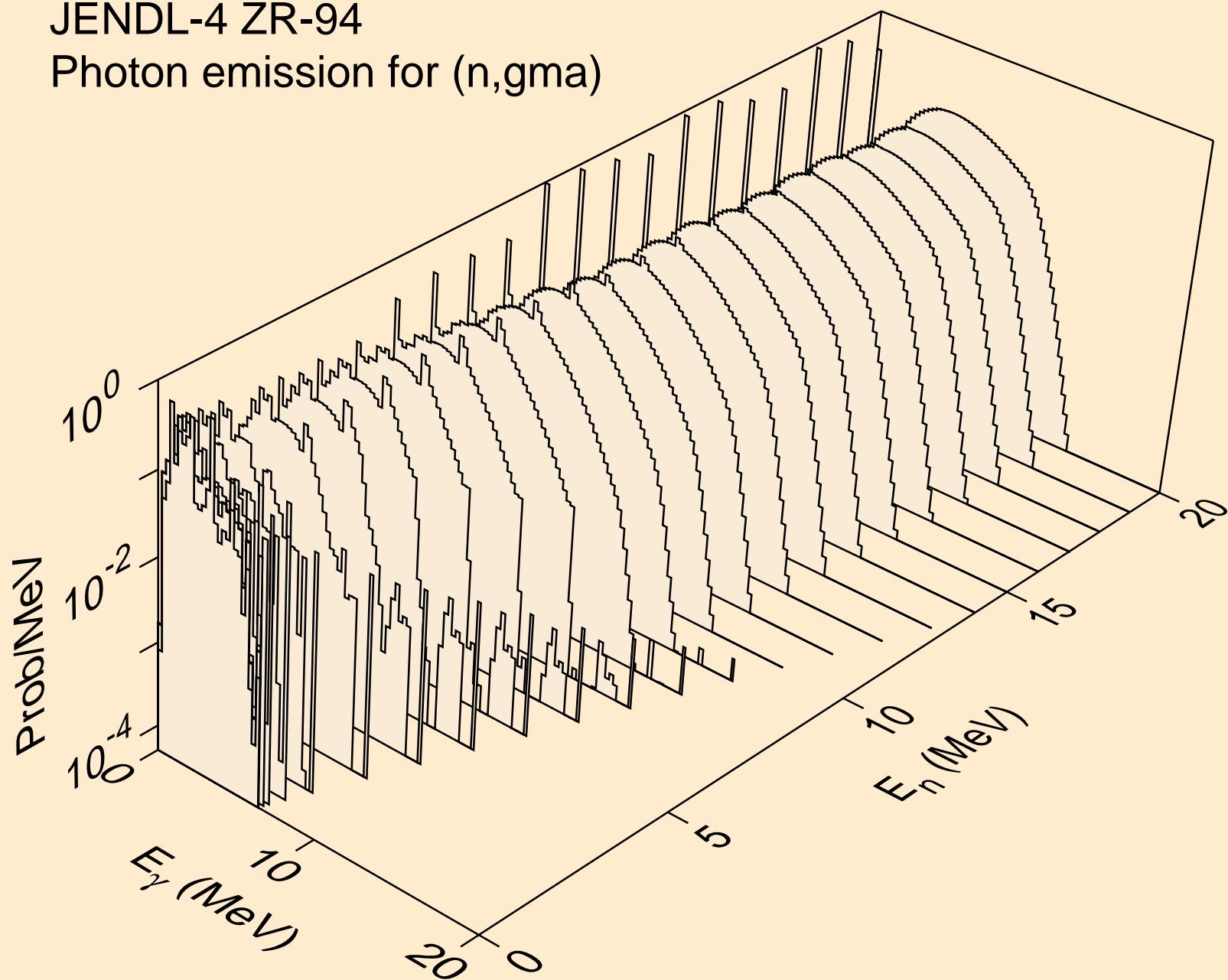


JENDL-4 ZR-94  
Photon emission for  $(n,n^*c)$

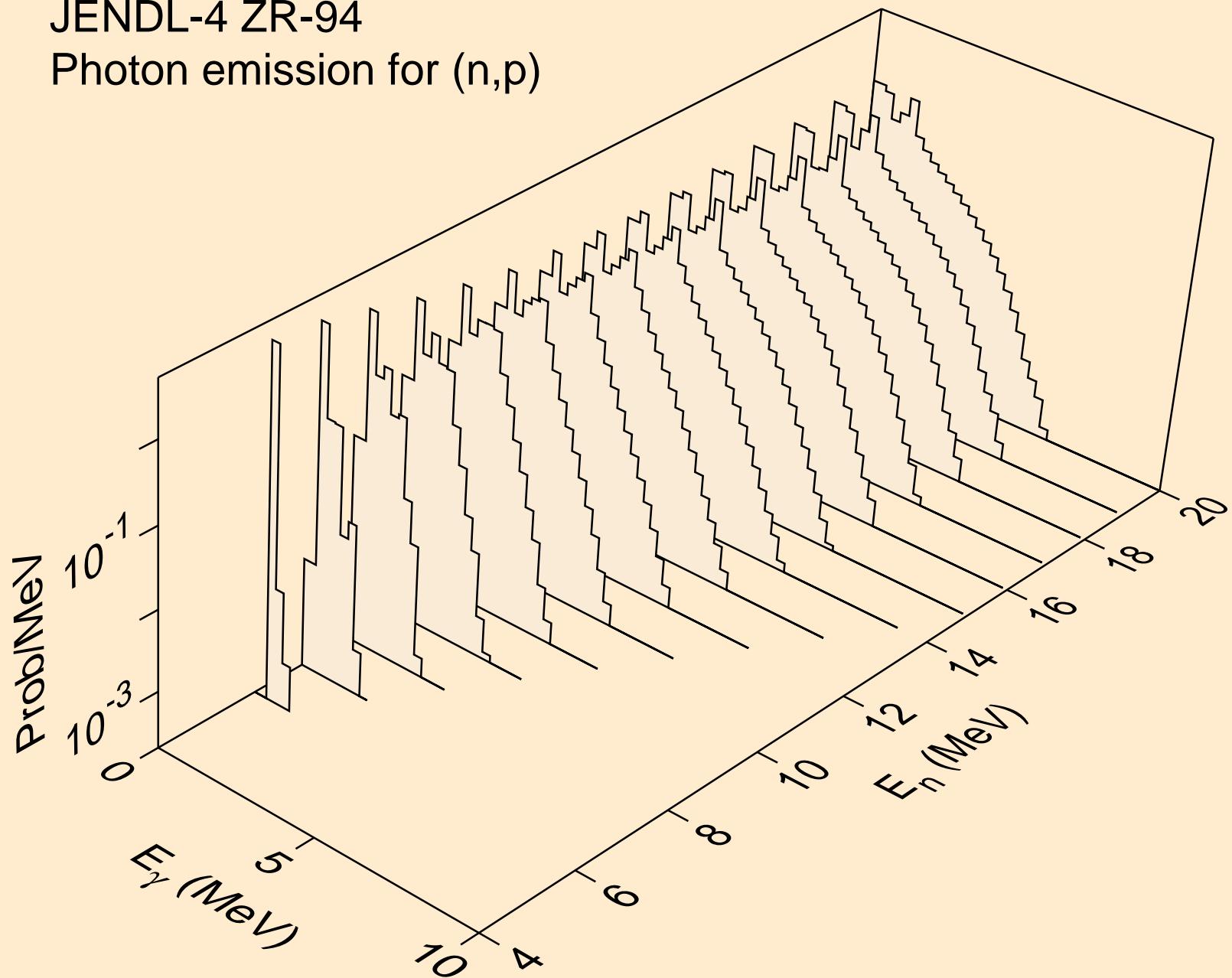


JENDL-4 ZR-94

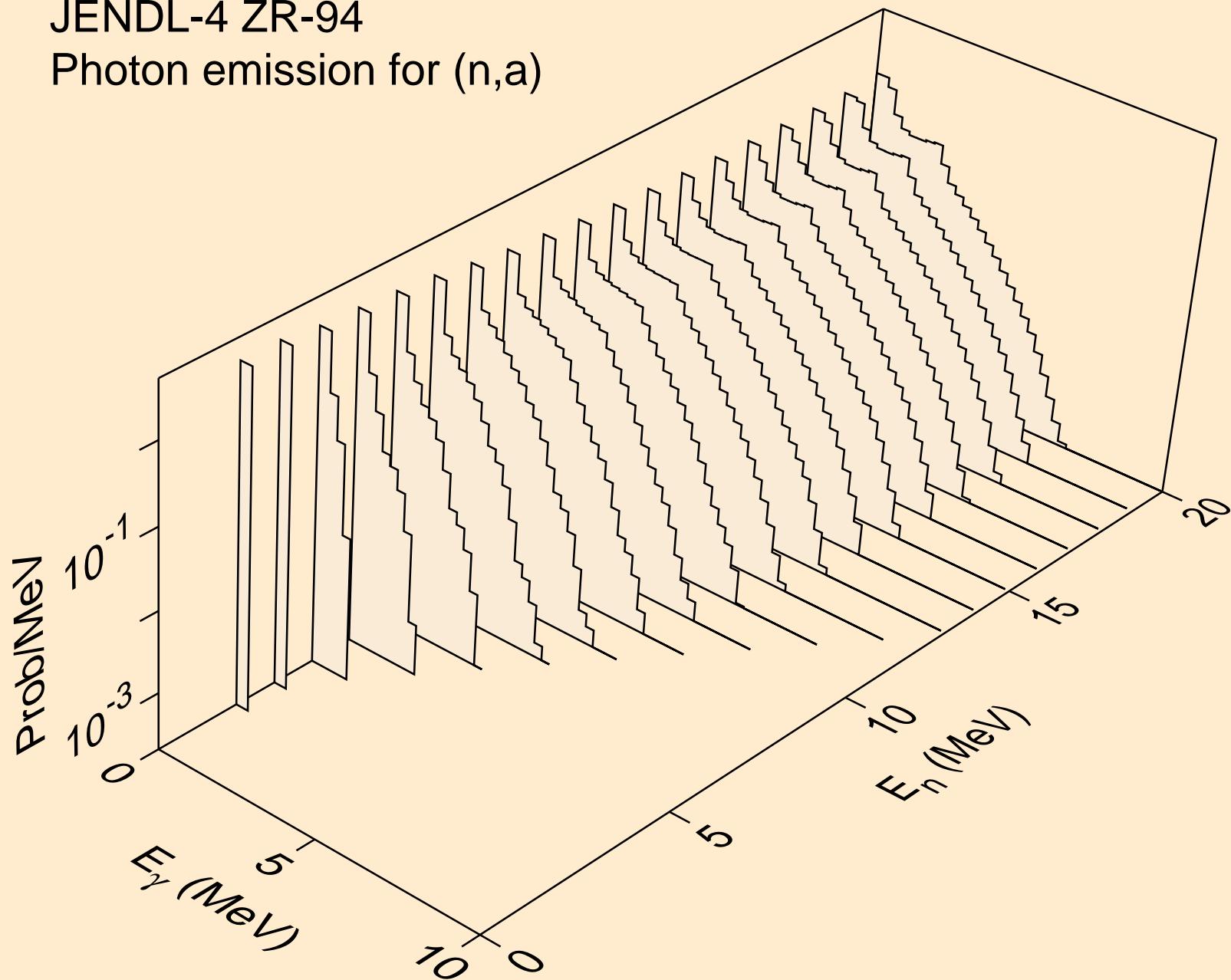
Photon emission for (n,gma)



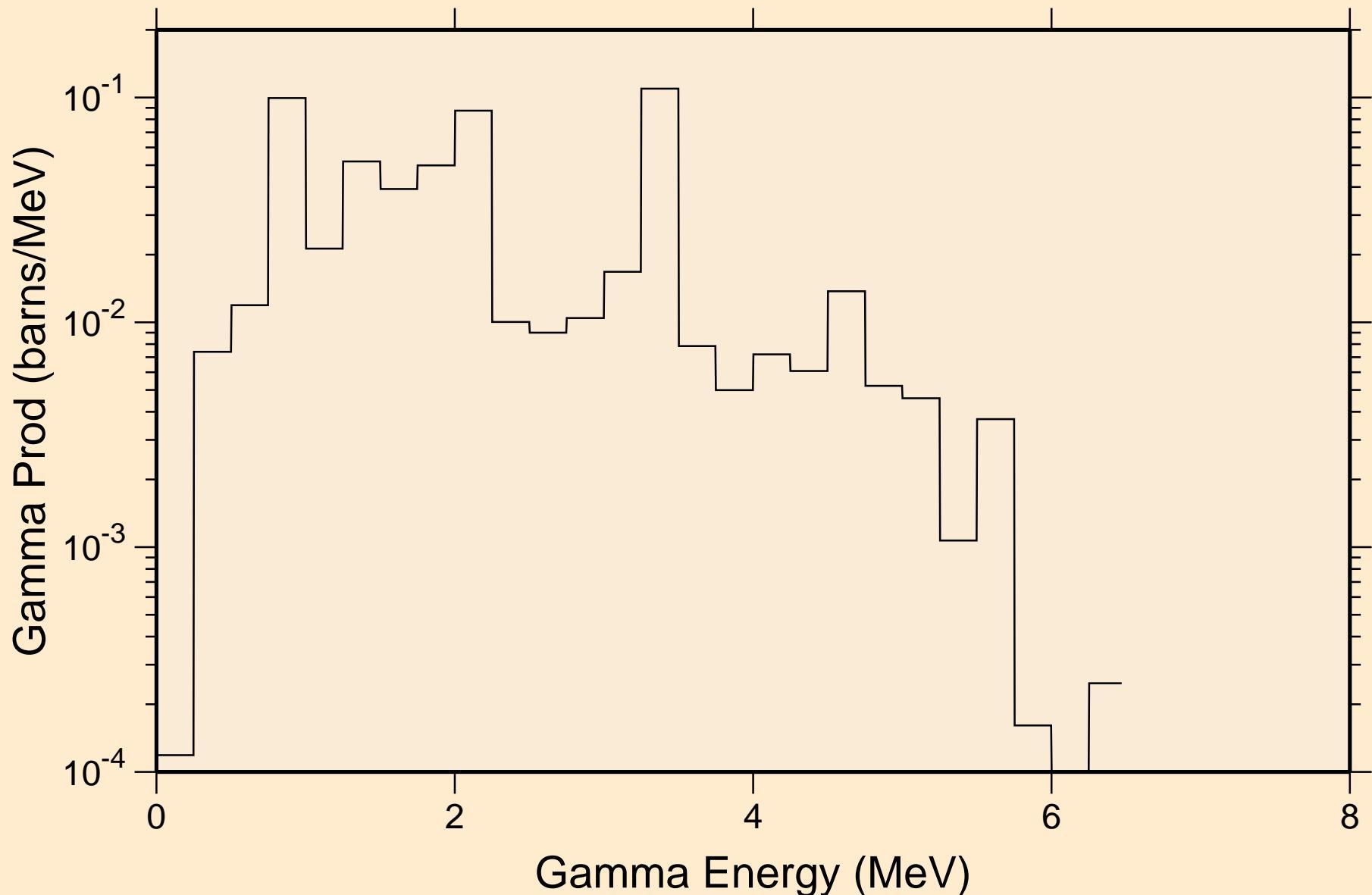
JENDL-4 ZR-94  
Photon emission for (n,p)



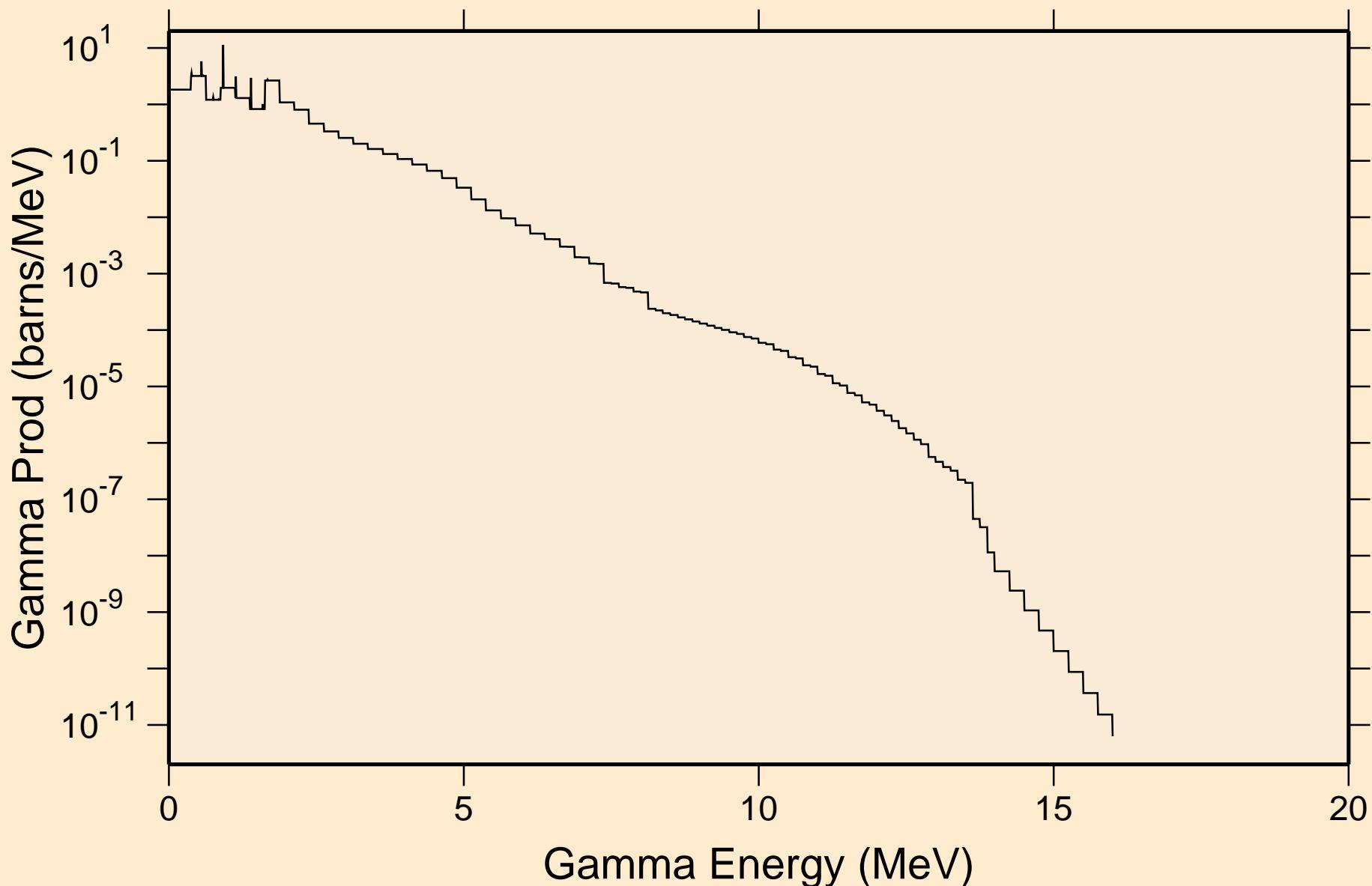
JENDL-4 ZR-94  
Photon emission for (n,a)



JENDL-4 ZR-94  
thermal capture photon spectrum

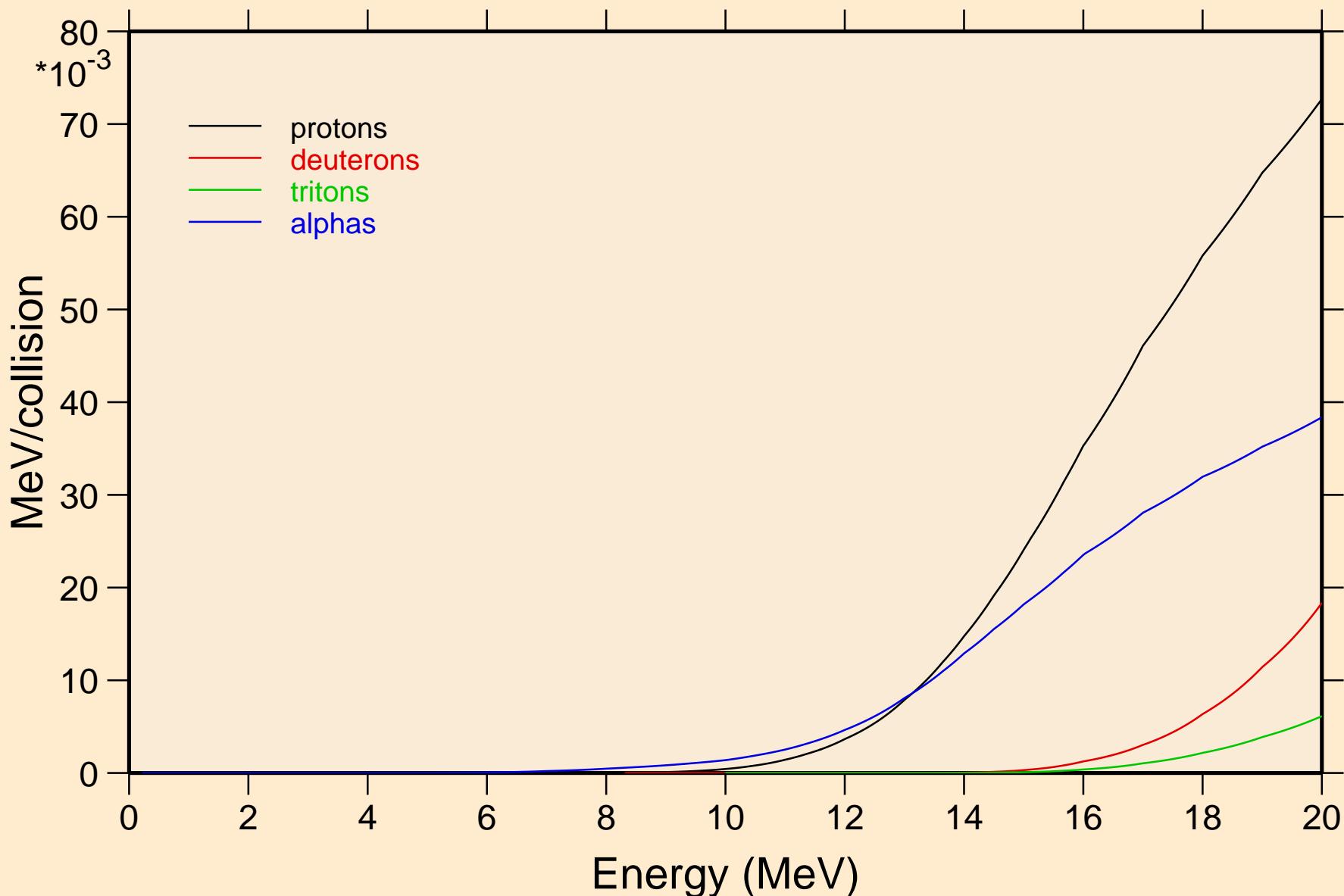


JENDL-4 ZR-94  
14 MeV photon spectrum

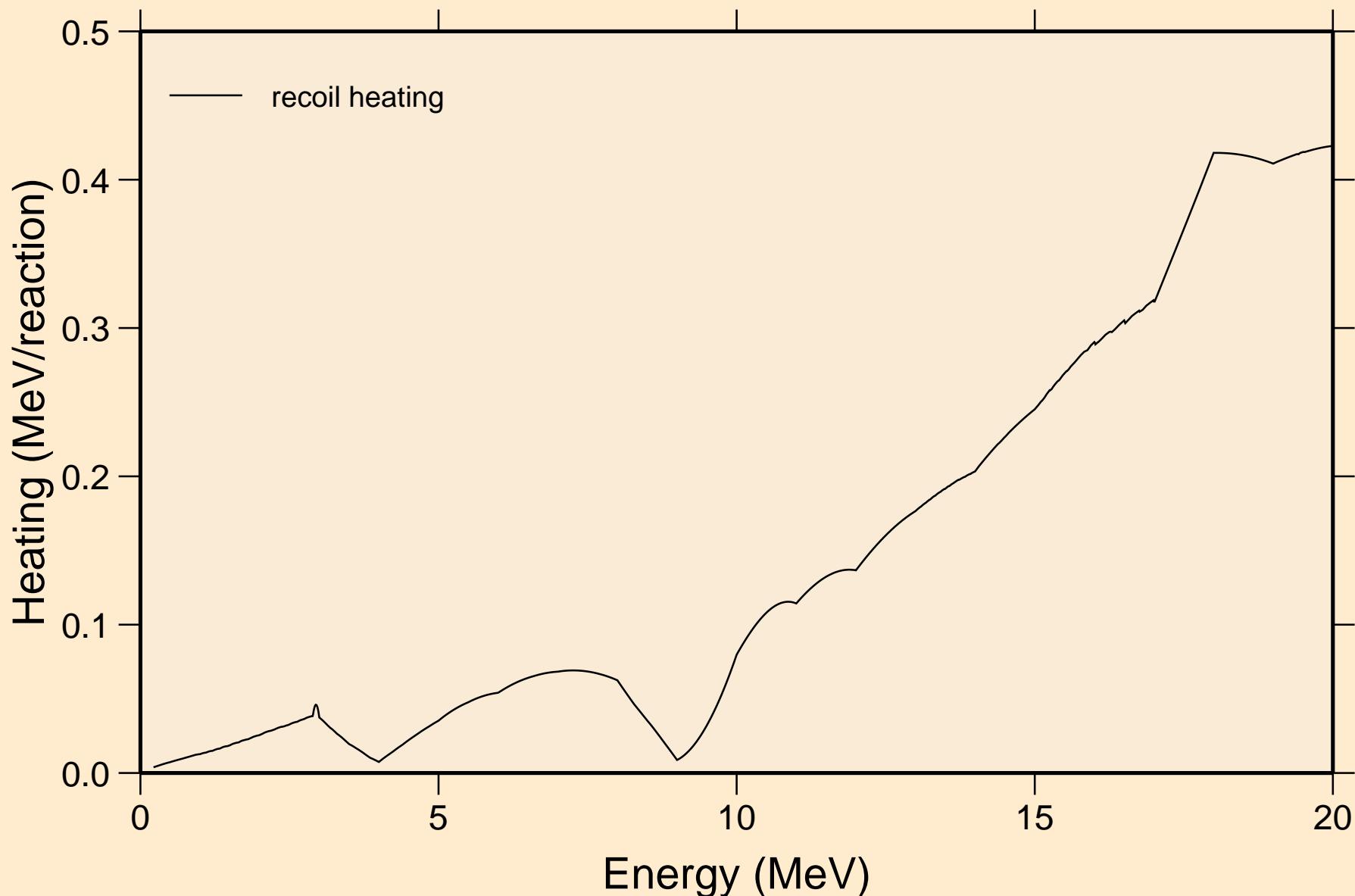


# JENDL-4 ZR-94

## Particle heating contributions

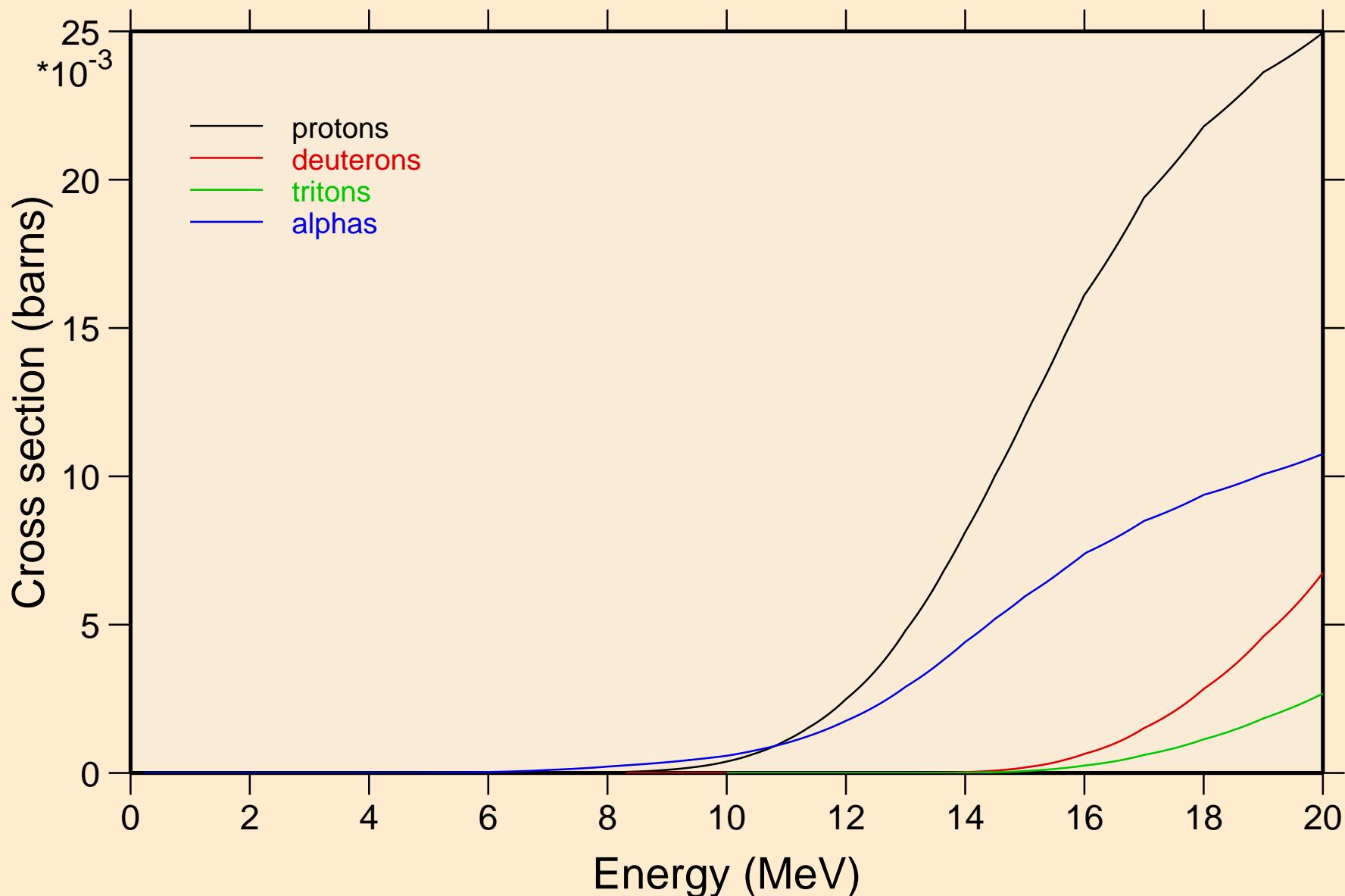


JENDL-4 ZR-94  
Recoil Heating

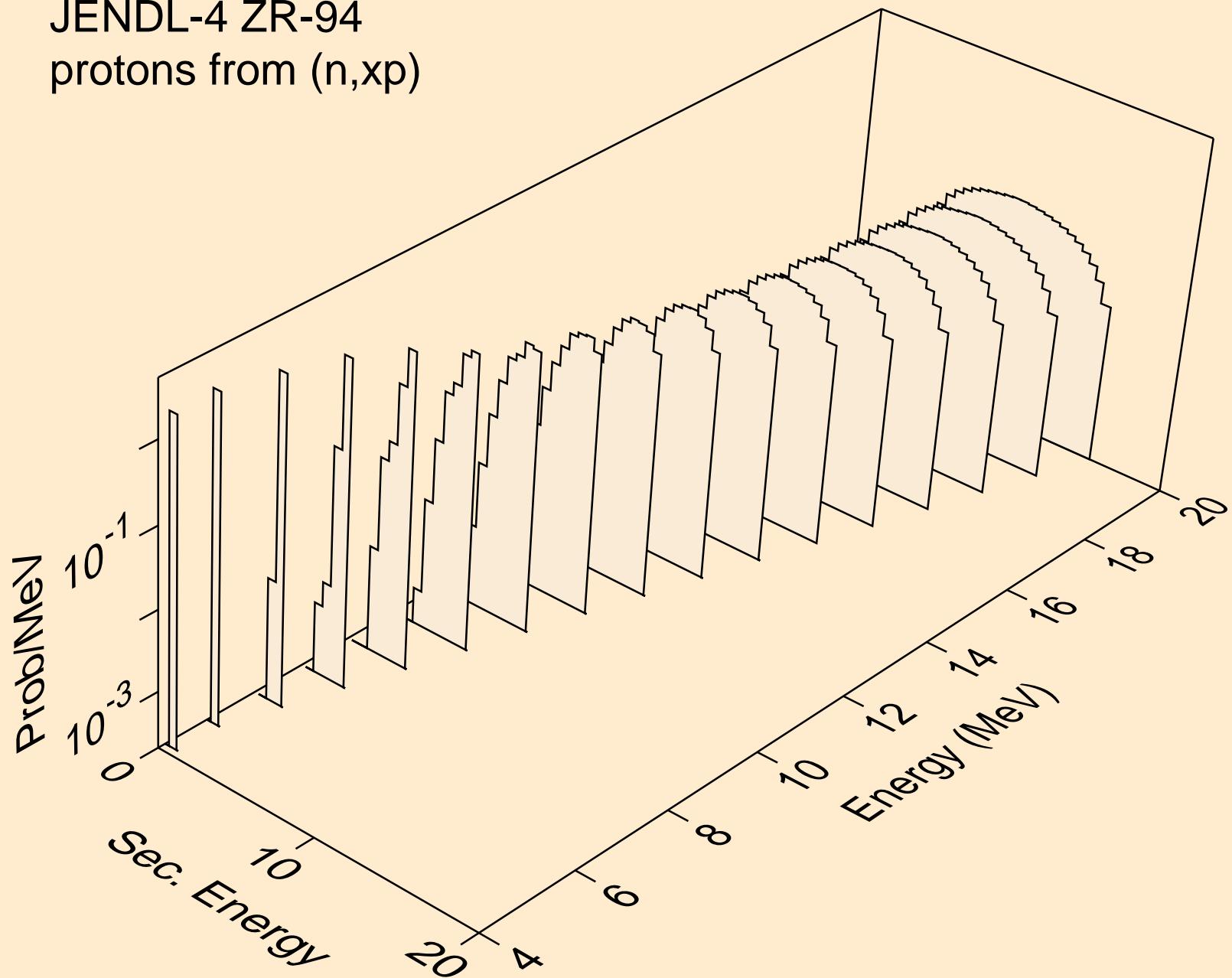


# JENDL-4 ZR-94

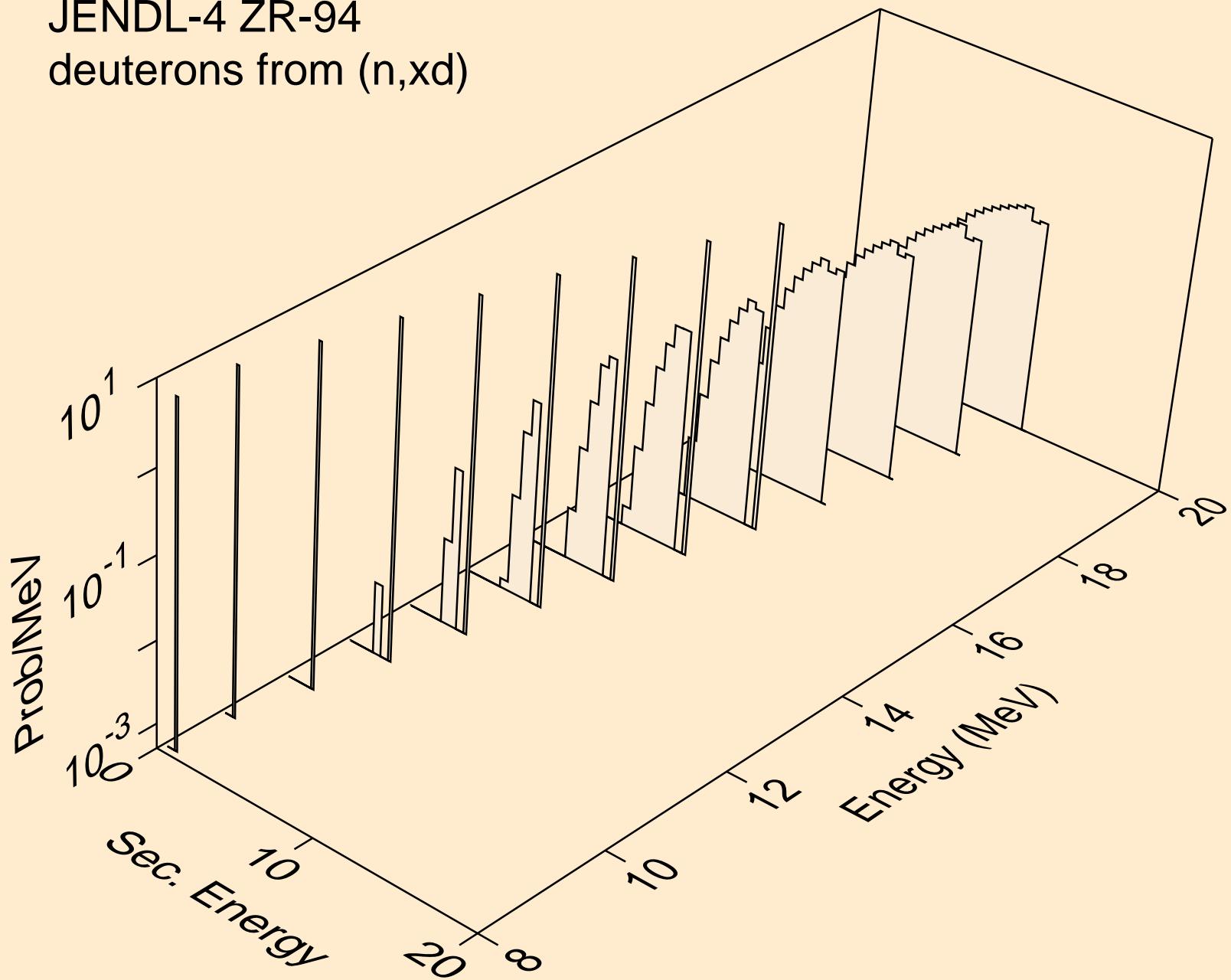
## Particle production cross sections



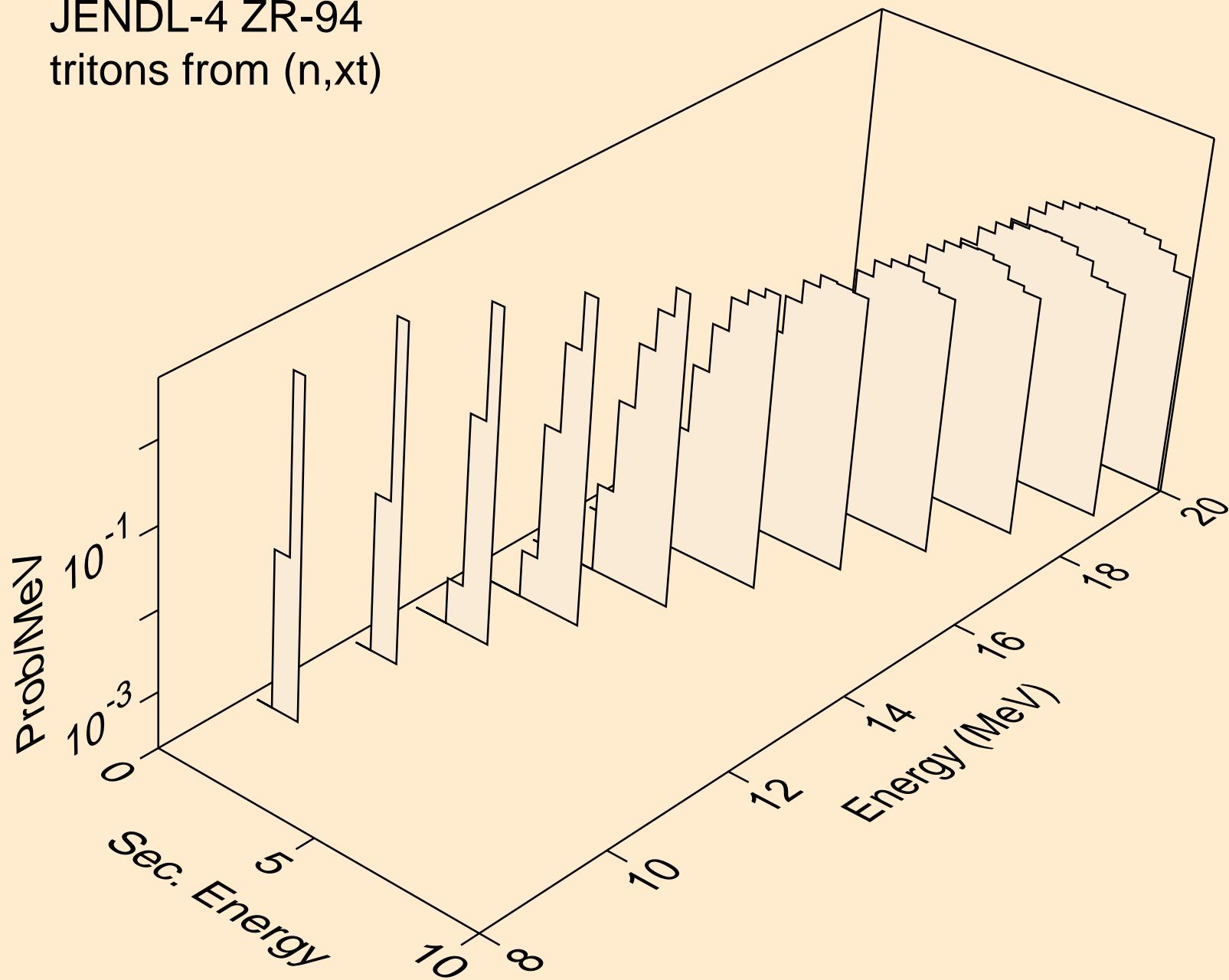
JENDL-4 ZR-94  
protons from ( $n, xp$ )



JENDL-4 ZR-94  
deuterons from ( $n, xd$ )



JENDL-4 ZR-94  
tritons from (n,xt)



JENDL-4 ZR-94  
alphas from (n,xa)

